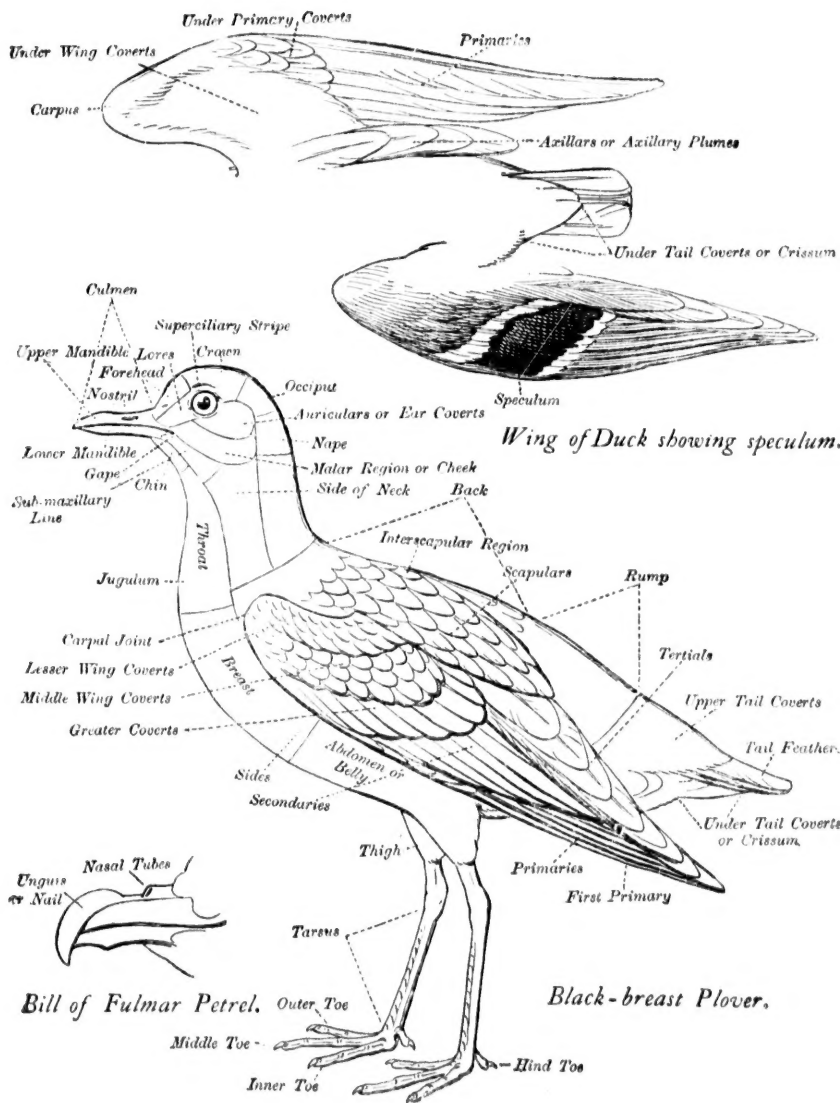




TOPOGRAPHY OF A BIRD.

THE BIRDS OF EASTERN NORTH AMERICA

KNOWN TO OCCUR EAST OF THE NINETIETH MERIDIAN

PART II

LAND BIRDS

KEY TO THE FAMILIES AND SPECIES

BY

CHARLES B. CORY

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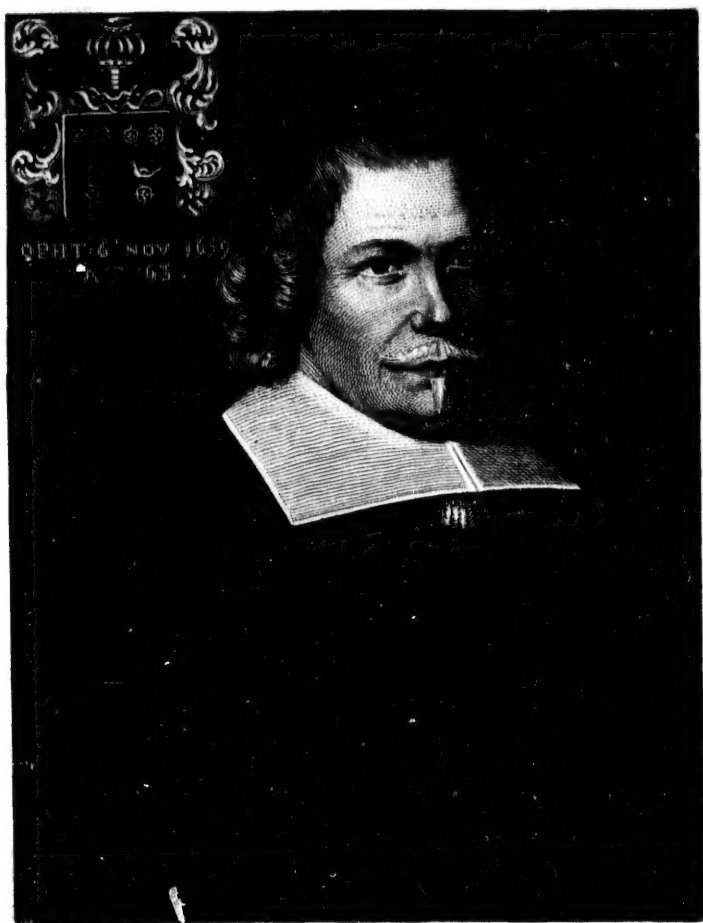
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TO
Martin A. Ryerson
VICE-PRESIDENT OF THE FIELD COLUMBIAN MUSEUM
AND
PRESIDENT OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF CHICAGO
IN RECOGNITION OF HIS MANY SERVICES TO SCIENCE
THIS BOOK IS DEDICATED



JÉRÔME LE ROYER DE LA DAUVERSIÈRE,
INSTITUTEUR DES SŒURS HOSPITALIÈRES DE LA FLECHE,
né le 2 Mai 1597, décédé le 6 Novembre 1659.

CONTENTS.

	PAGE
TITLEPAGE	i
DEDICATION	iii
CONTENTS	v
HOW TO MEASURE A BIRD	viii
INDEX TO KEY TO FAMILIES	131
KEY TO FAMILIES OF LAND BIRDS	133
GROUP 1. Birds having wings less than 1.75 inches long; measured bend of wing (carpus) to tip of longest feather	133
GROUP 2. Birds having wings from 1.75 to 2.75 inches long	133
Section 1. First primary, less than half as long as third	133
Part 1. Tip of upper mandible with small but distinct hook or notch	133
Part 2. Tip of upper mandible without notch or hook at tip	134
Section 2. First primary more than half as long as third	135
Part 1. Tip of upper mandible with small but distinct hook or notch	135
Part 2. Tip of upper mandible not notched or hooked	135
GROUP 3. Birds having wings measuring from 2.75 to 3.25 inches long	136
Section 1. First primary, less than half as long as third	136
Part 1. A small but distinct hook or notch at tip of upper mandible	136
Part 2. Tip of upper mandible not notched or hooked	137
Section 2. First primary, not short, always more than half as long as third	137
Part 1. Tip of upper mandible with small but distinct hook or notch	137
Part 2. Tip of upper mandible not notched or hooked	138

	PAGE
GROUP 4. Birds having wings from 3.25 to 9.50 inches long	139
Section 1. Bill with strong hook claws armed with talons . . .	139
Section 2. Upper mandible with distinct hook or notch at tip, but feet not armed with talons	140
Section 3. Upper mandible not notched or hooked at tip . . .	141
Part 1. First primary less than half as long as third . . .	141
Part 2. First primary more than half as long as third . . .	143
GROUP 5. Birds having wings over 9.50 inches long	147
KEY TO THE SPECIES OF LAND BIRDS OF EASTERN NORTH AMERICA . .	149
FAMILY TETRAONIDÆ. GROUSE, QUAIL, ETC.	149
FAMILY PHASIANIDÆ. TURKEYS, ETC.	154
SUBFAMILY. MELEAGRINÆ	154
FAMILY COLUMBIDÆ. PIGEONS AND DOVES	155
FAMILY CATHARTIDÆ. AMERICAN VULTURES	158
FAMILY FALCONIDÆ. HAWKS, FALCONS, EAGLES, ETC.	160
FAMILY STRIGIDÆ. OWLS	181
FAMILY PSITTACIDÆ. PARROTS	187
FAMILY CUCULIDÆ. CUCKOOS	188
FAMILY ALCEDINIDÆ. KINGFISHERS	189
FAMILY PICIDÆ. WOODPECKERS	190
FAMILY CAPRIMULGIDÆ. NIGHT-HAWKS, WHIP-POOR-WILLS, ETC. . . .	198
FAMILY MICROPODIDÆ. SWIFTS	199
FAMILY TROCHILIDÆ. HUMMING-BIRDS	199
FAMILY TYRANNIDÆ. FLYCATCHERS	200
FAMILY ALAUDIDÆ. LARKS	208
FAMILY CORVIDÆ	209
SUBFAMILY GARRULINÆ. JAYS AND MAGPIES	209
SUBFAMILY CORVINÆ. CROWS AND RAVENS	211
FAMILY ICTERIDÆ. BLACKBIRDS, ORIOLES, MEADOW LARKS, ETC. . . .	213
FAMILY FRINGILLIDÆ. SPARROWS, FINCHES, CROSSBILLS, BUNTINGS, ETC.	226
FAMILY TANAGRIDÆ. TANAGERS	263
FAMILY HIRUNDINIDÆ. SWALLOWS	265
FAMILY AMPELIDÆ. WAXWINGS AND CEDAR BIRDS	269
FAMILY LANIIDÆ. SHRIKES	270
FAMILY VIREONIDÆ. VIREOS	271

CONTENTS.

vii

	PAGE
FAMILY CEREBIDÆ. HONEY CREEPERS	274
FAMILY MNIOTILTIDÆ. WARBLERS	275
FAMILY MOTACILLIDÆ. PIPITS AND WAGTAILS	311
FAMILY TROGLODYTIDÆ. WRENS AND THRASHERS	312
SUBFAMILY TROGLODYTINÆ. WRENS	312
SUBFAMILY MIMINÆ. THRASHERS, CAT-BIRDS, MOCKING-BIRDS, ETC.	315
FAMILY CERTHIDÆ. CREEPERS	316
FAMILY PARIDÆ. NUTHATCHES, TITMICE, ETC.	317
SUBFAMILY SITTINÆ. NUTHATCHES	317
SUBFAMILY PARINÆ. TITMICE AND CHICKADEES	318
FAMILY SYLVIDÆ. KINGLETS AND GNATCATCHERS	320
FAMILY TURDIDÆ. THRUSHES, BLUE-BIRDS, ETC.	321
A LIST OF THE BIRDS OF EASTERN NORTH AMERICA	325

HOW TO MEASURE A BIRD.

Wing. — Distance from carpal joint C (bend of wing) to the tip of the longest primary D. See cut on page 8.

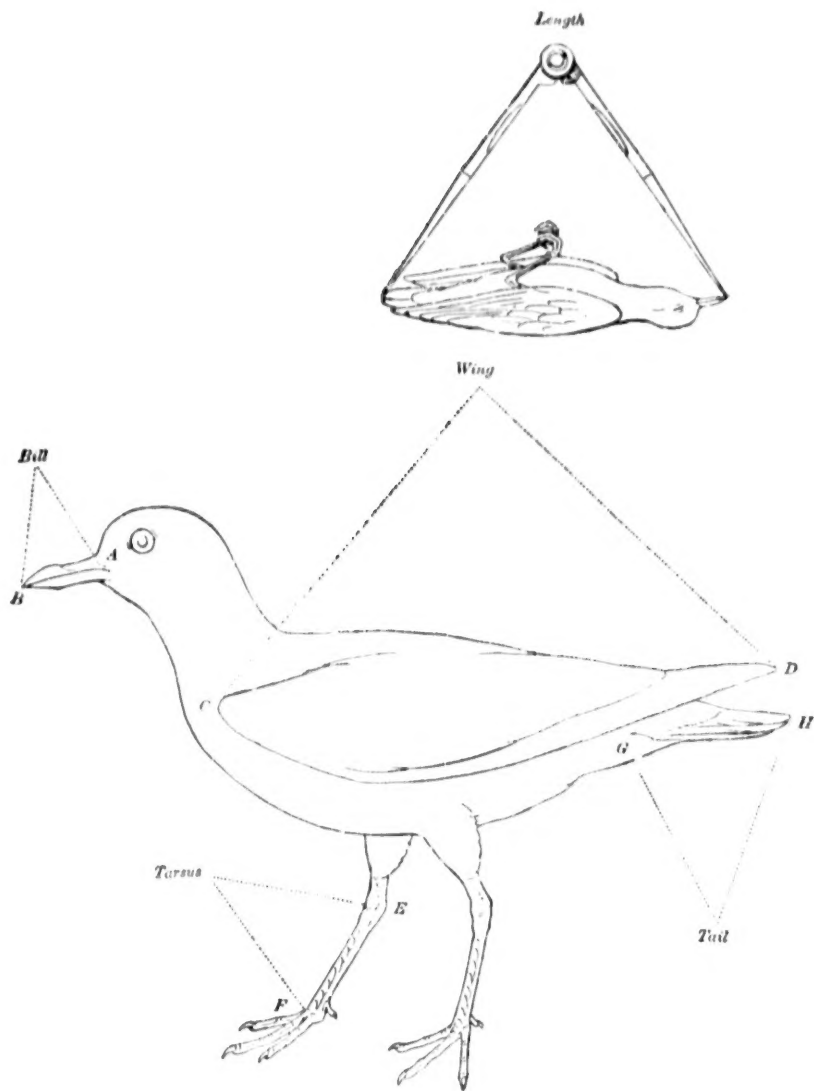
Length. — Distance in a straight line from the end of the bill to the tip of the longest tail feather. (Occasionally the middle feathers are much elongated, as in the Old Squaw and Pintail Duck, and in other families of birds, such as *Phaethon* and *Stercorarius*. In such cases it is well to give the length from bill to longest tail feather, and also to end of outer tail feather.)

Tail. — Distance from the tip of the longest tail feather to its base (the point where it enters the body).

Bill. — The distance in a straight line from where the bill (upper mandible) joins the skin of the forehead (A) to the tip (B). (There are a few exceptions to this rule, in other families, such as birds with frontal plate, etc. Some curved bills are measured along the curve of the culmen, and at times it is advisable to measure from the nostril to the tip of the bill, but in such cases it should always be so stated.)

Tarsus. — Distance in *front* of the leg from what *appears* to be the knee joint (end of tibia) to the root of the middle toe. All measurements are given in inches and fractions of an inch.

HOW TO MEASURE A BIRD.



INDEX TO KEY TO FAMILIES.

LAND BIRDS.

	PAGE
Group 1. Birds having wings less than 1.75 inches long	133
Group 2. Birds having wings from 1.75 to 2.75 inches long	133
Section 1. First primary less than half as long as third	133
Part 1. Tip of upper mandible with small but distinct hook or notch	133
Part 2. Upper mandible without notch or hook at tip	134
Section 2. First primary more than half as long as third	135
Part 1. Tip of upper mandible with small but distinct hook or notch	135
Part 2. Tip of upper mandible not notched or hooked	135
Group 3. Birds having wings measuring from 2.75 to 3.25 inches long	136
Section 1. First primary less than half as long as third	136
Part 1. A small but distinct hook or notch at tip of upper mandible	136
Part 2. Tip of upper mandible not notched or hooked	137
Section 2. First primary not short, always more than half as long as third	137
Part 1. Tip of upper mandible with small but distinct hook or notch	137
Part 2. Tip of upper mandible not notched or hooked	138

	PAGE
Group 4. Birds having wings measuring from 3.25 to 9.50 inches long	
Section 1. Bill with strong hook, toes armed with talons	139
Section 2. Upper mandible with more or less hook, but toes not armed with talons	140
Section 3. Tip of upper mandible not notched or hooked	141
Part 1. First primary less than half as long as third, sometimes very small	141
Part 2. First primary more than half as long as third	143
Group 5. Birds having wings over 9.50 inches long	147

KEY TO FAMILIES.

LAND BIRDS.

GROUP 1.

Birds having wings less than 1.75 inches long.*



(1.) Smallest of our birds; bill, very slender; primaries, 10; rectrices, 10; feet, very small and weak.

Family TROCHILIDÆ. Humming Birds.



See page 199.



(2.) Tail, rounded; the outer feathers, shorter than middle ones; first primary, less than two thirds as long as third; second primary, much shorter than third; tarsus, scutellate. 538



Family TROGLODYTIDÆ. Wrens, Thrashers, etc.

Subfamily TROGLODYTINÆ. Wrens.

See page 312.

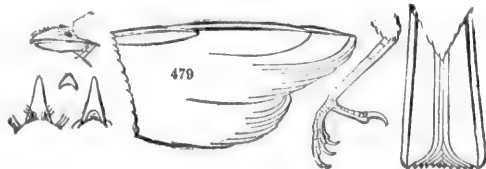
GROUP 2.

Birds having wings from 1.75 to 2.75 inches long.*

Section 1. First primary, less than half as long as third.

Part 1. Tip of upper mandible, with small but distinct hook or notch.

(1.) Toes, joined at base. Plain colored birds, usually greenish or grayish, but often show a faint wash of yellow on underparts; tail, always without white spots.

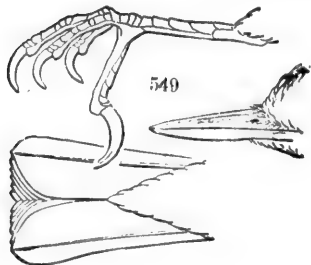


478

Family VIREONIDÆ. Vireos.

See page 171.

* For directions for measurement, see page 171.

Part 2. Upper mandible without notch or hook at tip.

(1.) Bill, as illustrated; **back, gray or bluish gray; bill, over .50**; nostrils, concealed by bristly tufts; tarsus, scutellate; tail feathers, not stiff or pointed.

Family PARIDÆ.

Subfamily SITINÆ. Nuthatches.

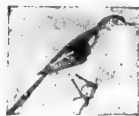
See page 317.



(2.) Bill, as illustrated; **back, bluish gray; bill, less than .50**; size, small; length, less than 5.50; first primary, very short.

Family SYLVIIDÆ.

Subfamily POLIOPTILINÆ. Gnatcatchers.



See page 320.



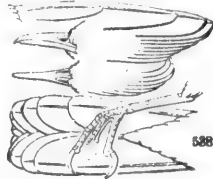
(3.) Bill, as illustrated; **throat, black**; nostrils, concealed by tufts of bristly feathers.

Family PARIDÆ. Chickadees, Titmice.

See page 318.



(4.) Bill, as illustrated; **back, brown or brown streaked; tail feathers, not sharp pointed**; outer tail feathers, shortest; tarsus, scutellate; first primary, short.



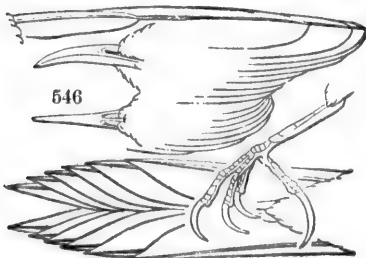
Wren.



Bill of Wren.

Family TROGLODYTIDÆ. Wrens.

See page 312.



(5.) Bill, as illustrated; **back, streaked; tail feathers, stiffened and sharply pointed.**



Creepers.

Family CERTHIIDÆ. Creepers.

See page 316.



(6.) Bill, as illustrated; **back, olive green**; bill, less than .50 inches long. Two species: both males and one of the females have brilliant red or yellow crown patch; the other female has crown, dull green, like back.



555

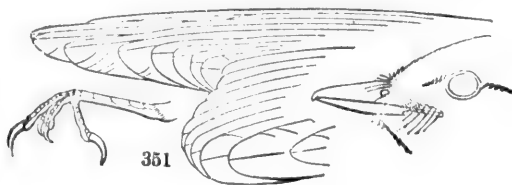
Family SYLVIIDÆ. Subfamily REGULINÆ. Kinglets.

See page 320.

Section 2. First primary, more than half as long as third.

Part 1. Tip of upper mandible, with small but distinct hook or notch.

(1.) **Bill, flattened, wide at base**; tip, with small hook; numerous black bristles at base of bill; back of tarsus, rounded; wings, longer than tail; first primary, never very short.



Top of bill.



353

Side of bill.

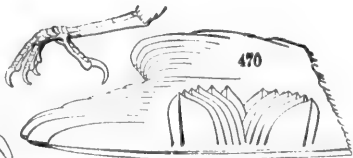
Family TYRANNIDÆ. Flycatchers.

See page 200.

(2.) Bill, very slightly hooked; not wide and flat at base, as in the Flycatchers; toes, joined together at base. Plain colored birds, usually greenish or grayish, but often show a faint wash of yellow on underparts; tail, always without white spots; first primary, variable, very short in some species, in others nearly as long as second.



Bill of Vireo.



Family VIREONIDÆ. Vireos.

See page 271.

Part 2. Tip of upper mandible, not notched or hooked.



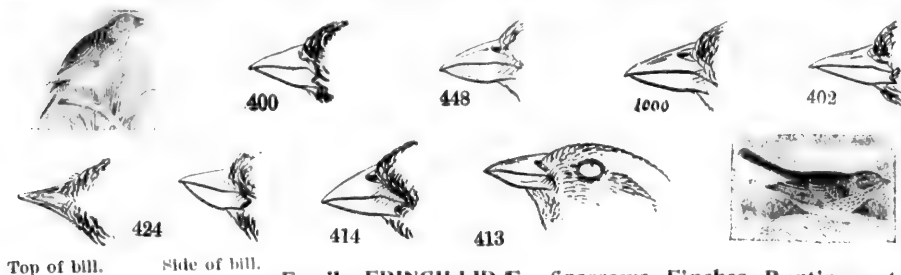
481

(1.) **Bill curved**; back, slaty black; rump, bright yellow. West Indian family: Numerous species, one common in Bahama Islands, accidental in Florida; not recorded elsewhere in United States.

Family CÆREBIDÆ. Honey Creepers.

See page 274.

(2.) First primary, not short, never less than two thirds as long as second or third; **bill, stout and conical**; nostrils, high near the culmen; primaries, 9; tarsus, flattened behind.



Top of bill.

Side of bill.

Family FRINGILLIDÆ. Sparrows, Finches, Buntings, etc.

See page 226.

First primary, not short, never less than two thirds as long as third, and often nearly the same length; **bill, slender and pointed**; back of **tarsus**, thin and sharp, not rounded as in front; hind toe and claw, not longer than middle toe and claw.



498



522



525



528

Family MNIOTILTIDÆ. Warblers.

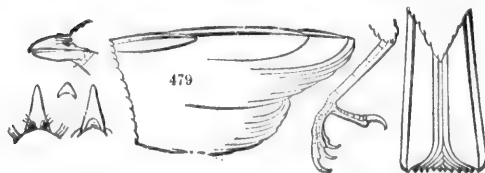
See page 275.

GROUP 3.

Birds having wings measuring from 2.75 to 3.25 inches long.*

Section 1. First primary less than half as long as third.

Part 1. A small but distinct hook or notch at tip of upper mandible.



Bill, very slightly hooked; primaries, 10, the first often very short; toes, joined together at base. Plain colored birds, usually greenish or grayish, but often show a faint wash of yellow on underparts; tail, always without white spots.

Family VIREONIDÆ. Vireos.

See page 271.

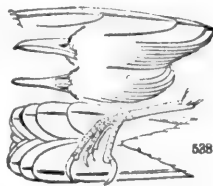
* For directions for measurement, see page viii.

Part 2. Tip of upper mandible, not notched or hooked.

Bill, as illustrated; **back, brown**; rump, with concealed white spots; outer tail feathers, shortest; tarsus, scutellate.

Family TROGLODYTIDÆ. Wrens.

See page 312.

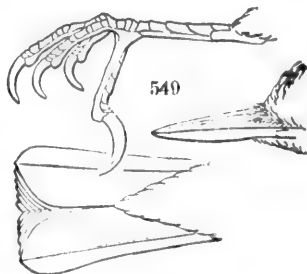


Bill, as illustrated; **back, gray or bluish gray**; nostrils, concealed by tufts of bristly feathers.

Family PARIDÆ.

Subfamily SITTINÆ. Nuthatches.

See page 317.



Bill, as illustrated; **throat, black**; crown, black and no rufous brown on sides (Chickadee), or forehead, black; sides, with rufous brown (Titmouse).

Family PARIDÆ. Chickadees and Titmice.

See page 318.

**Section 2. First primary, not short, always more than half as long as third.****Part 1. Tip of upper mandible, with small but distinct hook or notch.**

Bill, flattened and wide at base; numerous black bristles at base of bill; back of tarsus, rounded; wing, longer than tail.



Top of bill.

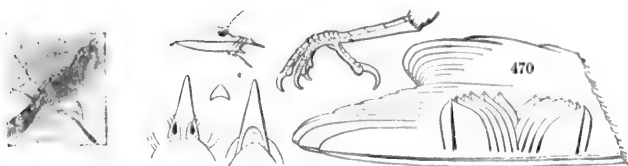


353

Side of bill.

Family TYRANNIDÆ. Flycatchers.

See page 200.



times, with wash of yellow on underparts; no white on tail.

Bill, very slightly hooked or notched at tip; not flattened at base, as in the Flycatchers; toes, joined at base. Plain colored birds, usually greenish or grayish, at

Family VIREONIDÆ. Vireos.

See page 271.

Part 2. Tip of upper mandible not notched or hooked.



(1.) Toes, 4; nostrils, opening into a soft, fleshy membrane; tarsus, usually shorter than toes.

Family COLUMBIDÆ. Pigeons and Doves.



See page 155.

(2.) Bill, pointed; first primary, not short; **base of bill, extending upon and dividing the feathers of the forehead;** nostrils, exposed; outer tail feathers, shorter than middle feathers.

Family ICTERIDÆ. Orioles.

See page 213.



Oriole.



392



410



440



389



396



(3.) First primary, not short, never less than two thirds as long as second or third; **bill, stout and conical;** nostrils, near the culmen; primaries, 9; tarsus, flattened behind.

Family FRINGILLIDÆ. Finches, Sparrows, Crossbills, and Buntings.

See page 226.



498



525



515



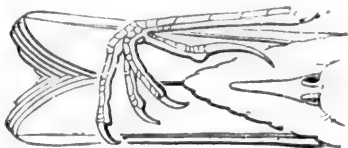
522

(4.) First primary, never less than two thirds as long as third, and often nearly the same length; bill, slender and pointed; back of tarsus, thin and sharp, not rounded, as in front: **hind toe and claw, not longer than middle toe and claw.**

Family MNIOTILTIDÆ. Warblers.

See page 275.

Bill, slender; first primary, not short, the first, second and third, being about equal in length; **hind toe and claw, longer than middle toe and claw**; hind toe nail, long, in this somewhat resembling larks, but no tufts of hair-like feathers over nostrils.



Family MOTACILLIDÆ. Pipits, Titlarks, etc.
See page 311.

GROUP 4.

Birds having wings from 3.25 to 9.50 inches long.*

Section 1. Bill, with strong hook; toes, armed with talons.



Eyes, not surrounded by radial disk of feathers, as in the Owls; toes, armed with talons; head, not bare.

Family FALCONIDÆ. Hawks, Falcons, Kites, etc.
See page 162.

Eyes, surrounded by radiated disk of feathers; plumage, soft; bill, hooked; toes, armed with talons.



Family BUBONIDÆ. Hoot Owls, Horned Owls.
See page 186.

* For directions for measurement, see page viii.

Section 2. Upper mandible, with distinct notch and hook at tip, but feet, not armed with talons.



Toes, four, zygodactyle (two in front, two behind); bill, with cere (skin-like covering over base of bill).

Family PSITTACIDÆ. Parrots and Paroquets.

See page 187.



310



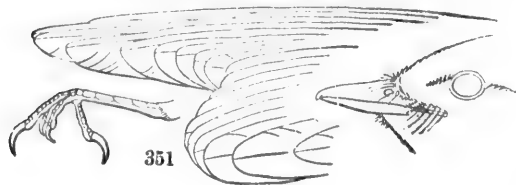
468

Bill, strong, notched near the end, and decidedly hooked; tarsus, scutellate; tail, rounded. But two species occur with us, both **grayish birds with blackish wings** and tail, and a dark stripe through the eye.

Family LANIIDÆ. Shrikes.

See page 270.

Bill, flattened, wide at base; tip, with small hook; numerous black bristles at base of bill; back of tarsus, rounded; wings, longer than tail; first primary, not very short, usually longer than the sixth.



351



344



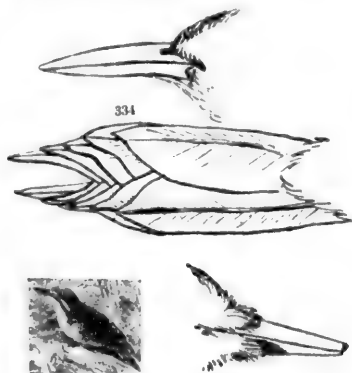
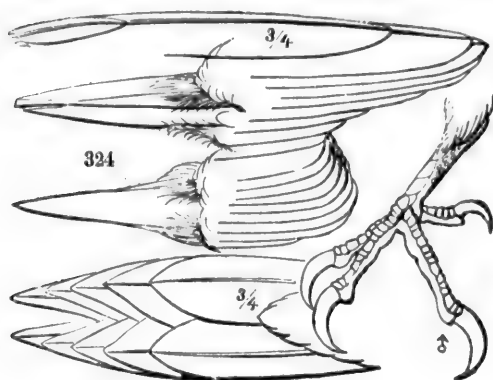
353

Family TYRANNIDÆ. Flycatchers.

See page 200.

Section 3. Upper mandible, not notched and hooked at tip.

Part 1. First primary less than one half as long as third.



Toes, four, two in front and two behind; or toes, three, two in front and one behind; *tail feathers, stiff and pointed*. (If tail feathers are not stiff and pointed, see Nuthatches, next family.)

Order PICI. Woodpeckers. Family PICIDÆ. Woodpeckers.

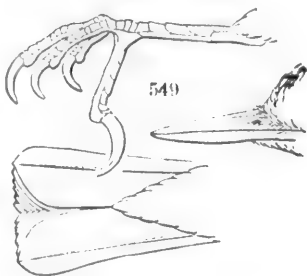
See page 190.

Bill, as illustrated; nostrils, concealed by bristly tufts; tarsus, scutellate; first primary, very short; tail feathers, not stiff and pointed. (If tail feathers are stiff and pointed, look for the bird under Family Picidæ.)

Family PARIDÆ.

Subfamily SITTINÆ. Nuthatches.

See page 317.



Bill, as illustrated; nostrils, concealed by bristly tufts of hair-like feathers; first primary, short; forehead, black; back, gray; head, with more or less crest; sides of body, washed with brown (Tufted Titmouse).

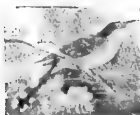
Family PARIDÆ. Titmice.

See page 318.

First primary, about one half as long as third; **feet, zygodactyle** (toes, two in front, two behind); outer tail feathers, very much shorter than middle feathers.

Family CUCULIDÆ. Cuckoos.

See page 188





Bill, stout and strong; the nostrils concealed by coarse hair-like feathers; outer tail feathers, shorter than middle feathers; first primary, decidedly less than half as long as third; tail, over seven inches long (Magpies); first primary, about half as long as third; tail, less than seven inches long (Jays).

Family CORVIDÆ.

Subfamily GARRULINÆ. Magpies and Jays.

See page 209.

Tail, rounded; the outer feathers, shorter than middle ones; first primary, less than two thirds as long as third; second primary, much shorter than third; **tarsus, scutellate.**

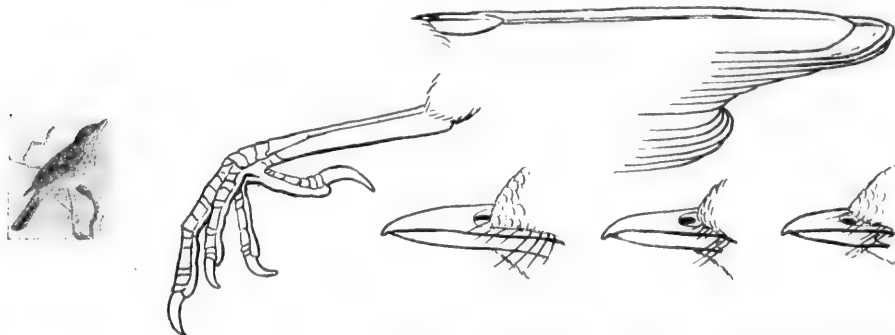


Family TROGLODYTIDÆ.

Subfamily MIMINÆ. Thrashers, Cat-birds, Mocking-birds, etc.

See page 315.

First primary, very short; tarsus, booted (no scales showing, except near the toes); bill, shorter than head; wing, over 3.50 inches long.



Family TURDIDÆ. Thrushes, Robins, Bluebirds.

See page 321.

Part 2. First primary, more than half as long as third.

Toes, four, hind toe not elevated above the rest; nostril, opening into a soft fleshy membrane; tarsus, usually shorter than the toes.

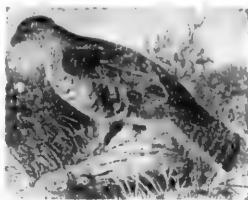
Family COLUMBIDÆ. Pigeons and Doves.

See page 155.

Toes, four, the hind toe elevated above the rest; bill, rather short and stout; wing, short and somewhat rounded, the outer primaries curved.



235

**Family TETRAONIDÆ. Grouse and Quail.**

(a) Tarsus feathered; wing, over 5.50 inches long.

Subfamily TETRAONINÆ. Grouse.

(b) Tarsus, bare; wing, less than 5.50 inches long.

Subfamily PERDICINÆ. Partridges. Quail.

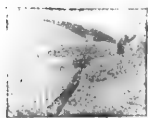
See page 149.

Feet, small and weak; front toes, sometimes webbed at base; primaries, ten; mouth, large; bill, very small, in comparison with size of bird; middle toe nail, with comb-like edge.

**Family CAPRIMULGIDÆ. Whippoorwills, Night-hawks, etc.**

See page 198.

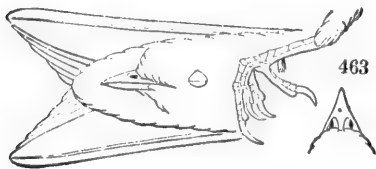
Bill, small, flattened, and somewhat triangular in shape, the gape very wide; wings, very long, usually extending beyond the tail. (Chimney Swifts, which belong to a very different family, are often mistaken for Swallows when seen flying about; they are smoky black and the shafts of the tail feathers extend in spines beyond the webs. See next Family.)



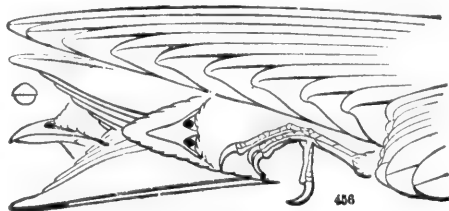
Swallow.



Swallow.



Swallow.

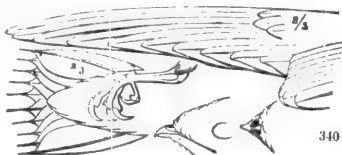


Martin.

Family HIRUNDINIDÆ. Swallows and Martins.

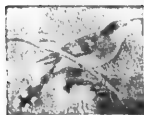
See page 265.

Plumage, smoky black; shafts of tail feathers, extending beyond the web in sharp spines. Sometimes mistaken for Swallows by persons unfamiliar with birds.



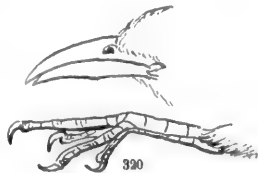
Family MICROPODIDÆ. Swifts.

See page 199.



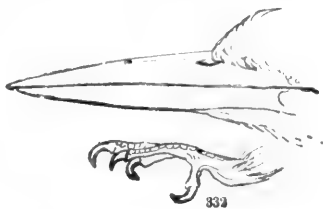
First primary, about half as long as third; feet, zygodactyle (toes, two in front, two behind); outer tail feathers, very much shorter than middle feathers.

Family CUCULIDÆ. Cuckoos.



See page 188.

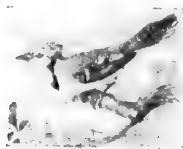
Feet, syndactyle; toes, four, the middle and outer ones joined, being fastened together for more than half their length.



Family ALCEDINIDÆ. Kingfishers.

See page 189.

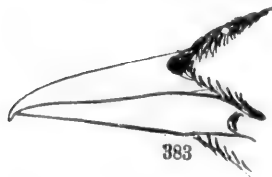
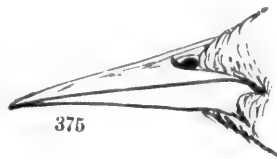
First primary, much shorter than second, always less than three fourths as long as third; fourth, or fifth primary, longest; bill, stout and strong; the nostrils, concealed by coarse, hair-like feathers; outer tail feathers, shorter than middle feathers.



Family CORVIDÆ. Subfamily GARRULINÆ. Jays.

See page 209.

First primary, never less than three fourths as long as third; base of bill, extending backward, forming a point, dividing the feathers of the forehead; nostrils, exposed; outer tail feathers shorter than middle feathers.



Family ICTERIDÆ. Blackbirds, Orioles, Meadow Larks.

See page 213.

First primary, not short, never less than two thirds as long as second or third: **bill, stout and conical**; nostrils, high, near the culmen; primaries, nine; tarsus, flattened behind.



Family FRINGILLIDÆ. Sparrows, Crossbills, Finches, Buntings, etc.

See page 226.



Bill, somewhat fringilline, but having a small "tooth," near the middle of the edge of uppermandible; primaries, nine; tarsus, scutellate. But two species (a third accidental): Males, bright red, one with black wings; one female is olive green above, and yellowish green below; the other is olive green above, and the underparts, dull orange yellow or buff yellow. (If bird does not agree with above description, see Fringillidæ.)

Family TANAGRIDÆ. Tanagers.

See page 263.

Bill, without notch; head, with crest; primaries, ten; tarsus, shorter than middle toe and claw; a **black stripe from forehead through the eye**; inner primaries and tail feathers, often tipped with little hard red bits, like minute drops of sealing wax; general plumage, venaceous gray brown; tail, tipped with yellow.

Family AMPELIDÆ. Waxwings, Cedar Birds.

See page 139.

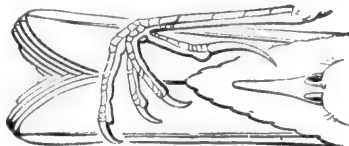
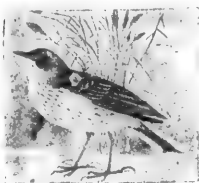


Bill, pointed, and somewhat rounded; back of tarsus, rounded; **hind toe nail, elongated**, equal or longer than the toe; **nostrils, nearly or quite concealed by tufts of hair-like feathers**; wing, over 4 inches long.

Family ALAUDIDÆ. Larks.

See page 208.

Bill, slender; first primary, not short, the first, second, and third, being about equal in length; **hind toe nail, long**, in this somewhat resembling the larks, but **no tufts of hair-like feathers over nostrils**; wing, less than 4 inches long.



Family MOTACILLIDÆ. Wagtails, Pipits, Titlarks, etc.

See page 311.

Small birds, wing, less than 3.75 inches long; first primary, not short, never less than two thirds as long as third, and often nearly the same length; bill, slender and pointed; back of tarsus, thin and sharp, not rounded as in front; hind toe and claw, not longer than middle toe and claw.



Family MNIOTILTIDÆ. Warblers.

See page 275.

GROUP 5.

Birds having wings over 9.50 inches long.*

Wing, over 12 inches long; toes, four; hind toe, elevated above the rest; bill, stout; wing, rounded, the outer primaries curved.

Family TETRAONIDÆ. Grouse.

See page 149.



Grouse.

Toes, four, the hind toe elevated above the rest; bill, rather short and stout; wing, short and somewhat rounded, the outer primaries curved.

**Family PHASIANIDÆ.
Subfamily MELEAGRINÆ.
Turkeys.**

See page 154.



Turkey.

* For directions for measurement, see page viii.



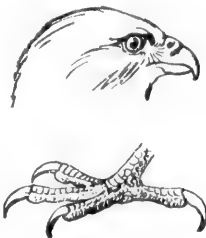
Eyes not surrounded by radiated disk of feathers; plumage, black or dark brown; hind toe, short; claws, not sharp; head, bare in adult.

Family CATHARTIDÆ. Vultures.

See page 158.



Eyes not surrounded by radiated disk of feathers, as in the Owls; toes, armed with talons; head, not bare.



Family FALCONIDÆ. Hawks, Eagles, etc.

See page 161.



Eyes, surrounded by radiated disk of feathers; plumage, soft; bill, hooked; toes, armed with talons.

(a) Middle toe nail with comb-like edge.

Family STRIGIDÆ. Barn Owls.

See page 181.

(b) Middle toe without comb-like edge.

Family BUBONIDÆ. Horned Owls, Hoot Owls.

See page 186.

Toes, four, two in front and two behind (zygodactyle); tail feathers, stiff and pointed.

Family PICIDÆ. Woodpeckers.

See page 191.



Plumage, glossy black; first primary, much shorter than second, not exceeding half as long as third; fourth, or fifth primary, longest; bill, stout and strong; the nostrils, concealed by coarse, hair-like feathers; outer tail feathers, shorter than middle feathers.

Family CORVIDÆ. Crows and Ravens.

See page 201.



LAND BIRDS.

KEY TO THE SPECIES.

FAMILY TETRAONIDÆ.

Grouse, Partridges, Quails, etc.



Toes, four, the hind toe elevated above the rest; bill, rather short and stout; wing, short and somewhat rounded, the outer primaries curved; wing, less than 12 inches long.

Group 1. Wing, less than 5 inches long.



Underparts, white, black, and rufous; throat, white (male); throat, buff brown (female).

Quail. Bob White.

Colinus virginianus, and races.

See No. 235.

The Southern race (*C. v. floridanus*) has much more black on the breast and the underparts more heavily banded than the Northern bird.

Group 2. Wing, more than 5 inches long.

Section 1. The following species do not have the greater portion of the primaries white.



A tuft of black feathers on sides of the neck; tarsus not entirely feathered;
axillary plumes, white barred with brown.

Ruffed Grouse "Partridge,"

Bonasa umbellus, and races.

See No. 238.

Tarsus, entirely feathered; **axillary plumes, entirely white**; no elongated tufts of feathers on sides of neck; tail, pointed.

Prairie Sharp-tailed Grouse.

Pediacetes phasianellus campestris.

See No. 247.

Tarsus, entirely feathered; **axillary plumes, white**; sometimes with faint bars near tip; a tuft of ten or more elongated feathers on each side of the neck; tail, not pointed; the ends of the neck plumes are not pointed, and the axillary plumes are very rarely barred on the whole feather, as in the Martha's Vineyard species.

Prairie Hen. Pinnated Grouse.

Tympanuchus americanus.

See No. 245.

LIVRE IV

MONTRÉAL

PAGES

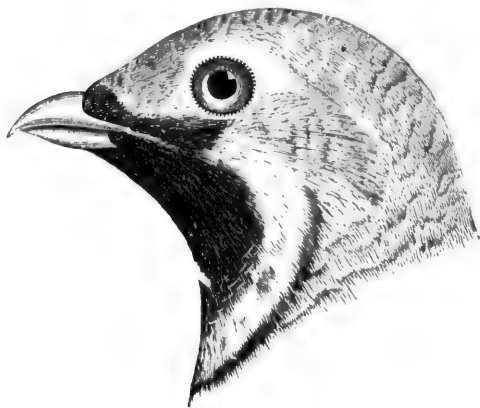
CHAPITRE PREMIER. — Le Saint-Laurent. —
 — Intentions chrétiennes des rois de France.
 — Champlain. — Compagnies marchandes. —
 Québec fondé. — Compagnie de la Nouvelle-
 France. — Les Iroquois. — Prise de Québec
 par Kertk. — Québec restitué..... 207 à 218

CHAPITRE II. — Les vrais colonisateurs du
 Canada. — Le Royer va à Paris. — L'anneau
 d'or. — Olier et La Dauversière se rencontrent
 à Meudon. — Compagnie de Montréal. — Achat
 de Montréal. — Premier envoi d'objets divers.
 Chomedey de Maisonneuve..... 219 à 232

CHAPITRE III. — M^{lle} Mance. — Sa vocation. —
 Elle se rend à La Rochelle. — Sa rencontre
 avec Le Royer. — Chomedey de Maisonneuve
 parle de M^{lle} Bourgeoys. — Les Iroquois. —
 Dangers que court Québec..... 233 à 243

CHAPITRE IV. — Premier envoi de colons pour
 la Compagnie de Montréal. — On veut retenir
 Maisonneuve à Québec. — Arrivée à Montréal.
 — Vertus des premiers colons. — Commence-
 ments de l'hôpital. — Louis d'Ailleboust
 fortifie Villemarie. — M^{lle} Mance va en France.
 Luites contre les Iroquois..... 244 à 256

CHAPITRE V. — État de Montréal. — Retour de
 Maisonneuve. — M^{lle} Bourgeoys. — Construc-
 tions. — Nouveau voyage de Maisonneuve en



Tarsus, entirely feathered;
axillary plumes, smoky
gray with white shafts,
and tipped with white;
the male has the breast
black; the female has the
breast tawny brown, black,
and white.

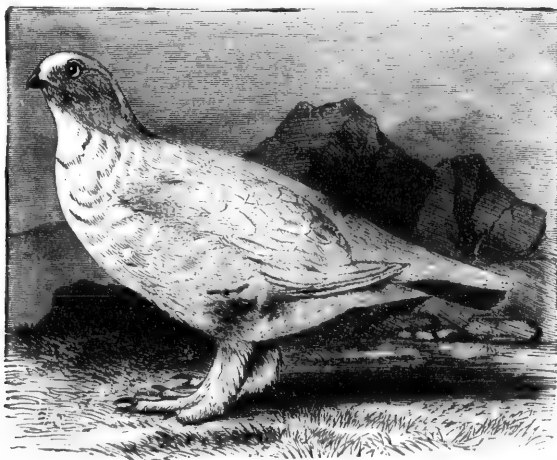
Canada Grouse.

Spruce Partridge.

Dendragapus canadensis,

See No. 237.

**Section 2. The following species have the greater portion
of the primaries white.**



Depth of bill at base, .40 or more; no black on lores; shafts of secondaries, not
black.

Willow Ptarmigan.

Lagopus lagopus,

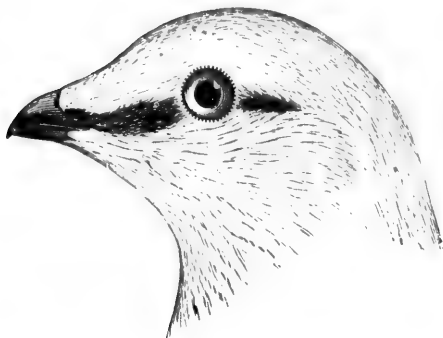
See No. 240.

Depth of bill at base, .40 or more; no black on lores; **shafts of secondaries, black.** Newfoundland.

Allen's Ptarmigan.

Lagopus lagopus alleni.

See No. 241.



Depth of bill at base, less than .40.

In summer: back, gray, mixed with black, or tawny buff, or gray and white. *In winter:* plumage, white; lores, usually (not always) black.

Rock Ptarmigan.

Lagopus rupestris, and races.

See No. 242.

Similar to *Lagopus rupestris*, but in summer, back, more heavily barred. Confined to Northern Labrador and Greenland.

Reinhardt's Ptarmigan.

Lagopus rupestris reinhardti.

See No. 243.

Depth of bill at base, less than .40; **shafts of secondaries, not black.** Confined to island of Newfoundland.

Welch's Ptarmigan.

Lagopus welchi.

See No. 244.

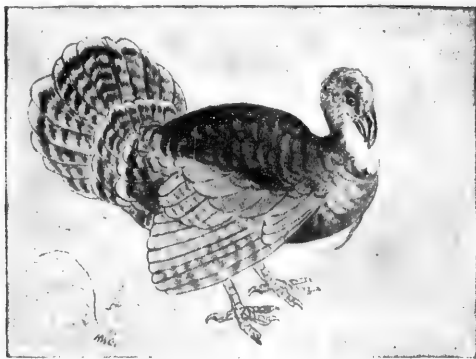
FAMILY PHASIANIDÆ.

Pheasants, Turkeys, etc.

SUBFAMILY MELEAGRINÆ.

Turkeys.

Toes, four, the hind toe elevated above the rest ; bill, rather short and stout ; wing, short and somewhat rounded, the outer primaries curved ; wing, over 12 inches long.



Resembles domestic Turkey, but legs usually pink red ; primaries, **broadly**
barred with white.

Wild Turkey.*Meleagris gallopavo.*

See No. 248.

Similar ; but primaries with **irregular white marking.** Does not occur north of
Florida.

Florida Wild Turkey.*Meleagris gallopavo osceola.*

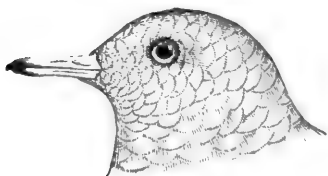
See No. 249.

FAMILY COLUMBIDÆ.

Pigeons and Doves.

Toes, four, hind toe not elevated above the rest; nostril, opening into a soft fleshy membrane; tarsus, usually shorter than the toes; wings, rather long and flat.

Group 1. Wing, less than 5.50 inches long.



Primaries, heavily marked with rufous brown; underparts, pinkish brown or vinaceous, sometimes grayish, with more or less black dots on breast; wing coverts, with metallic steel-blue spots.

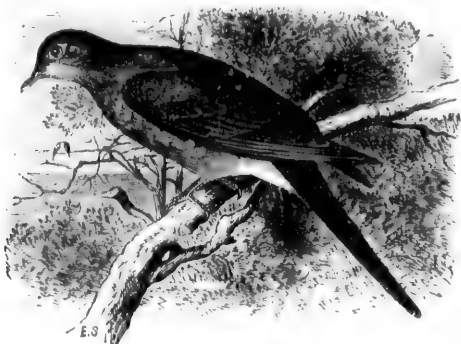
Ground Dove.

Columbigallina passerina terrestris.

See No. 255.

Group 2. Wing, from 5.50 to 7.50 inches long.

Section 1. Primaries, dark slaty brown or blackish.



Upper parts, grayish olive; crown, tinged with slate color; sides of neck, with purplish metallic reflections; a bluish black spot on lower edge of ear coverts; **wing coverts, not broadly tipped with white**; tail, pointed; middle tail feathers, much longer than outer feathers.

Mourning Dove.

Zenaidura macroura.

See No. 252.



Wing coverts, broadly tipped with white; crown, and back of the neck, drab color; **tail, square not pointed**; outer feathers, but slightly shorter than middle ones; terminal fourth of tail feathers, **ashy**, or ash gray.

White-winged Dove.

Melopelia leucoptera.

See No. 254.

Wing, over 6.50 inches long; no white on wings; general plumage, slaty blue, varying in shade; **tail, square**; adult birds have top of head, white.

White Crowned Pigeon.

Columba leucocephala.

See No. 254.

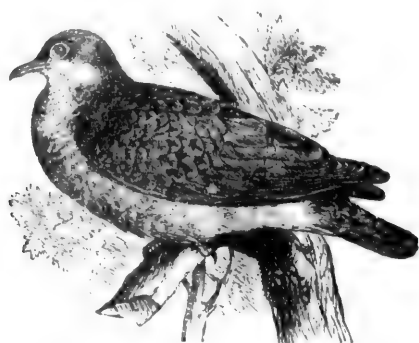
Crown, bluish bordered by black; a white stripe from back of head, under eye to chin; throat and upper breast, black; the feathers, more or less marked with blue. Cuban species accidental on Florida Keys?

Blue-headed Dove.

Starnoenas cyanocephala.

See No. 258.

Section 2. Greater portion of primaries, rufous brown.



Belly and line below eye, whitish. West Indian species accidental on Florida Keys.

Key West Quail Dove.

Geotrygon chrysea.

See No. 256.

Belly, cinnamon or vinaceous buff; spot of blue black beneath eye. West Indian species accidental in Southern Florida.

Zenaida Dove.

Zenaida zenaida.

See No. 253.

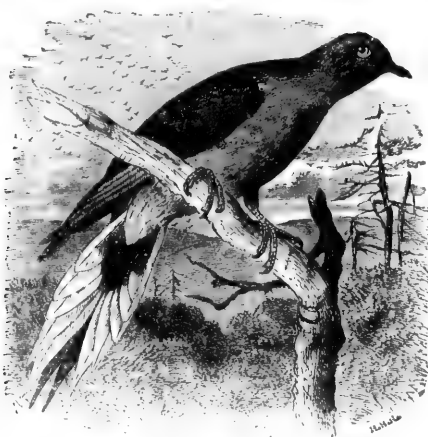
Belly and line below eye, tawny buff. West Indian species accidental on Florida Keys.

Ruddy Quail Dove.

Mountain Dove.

Geotrygon montana.

See No. 257.

Group 3. Wing, over 7.50 inches long.

Tail, pointed and rather long; under tail coverts, white.

Passenger Pigeon.

Ectopistes migratorius.

See No. 251.

Tail, square; under tail coverts, gray or bluish gray.

White-crowned Pigeon.

Columba leucocephala.

See No. 250.

FAMILY CATHARTIDÆ.**American Vultures.**

Plumage, black or dark brown; hind toe, short; claws, not sharp; head, bare in adult.

Group 1. Wing from 14 to 21 inches long.**Section 1. Wing, less than 17 inches long.**

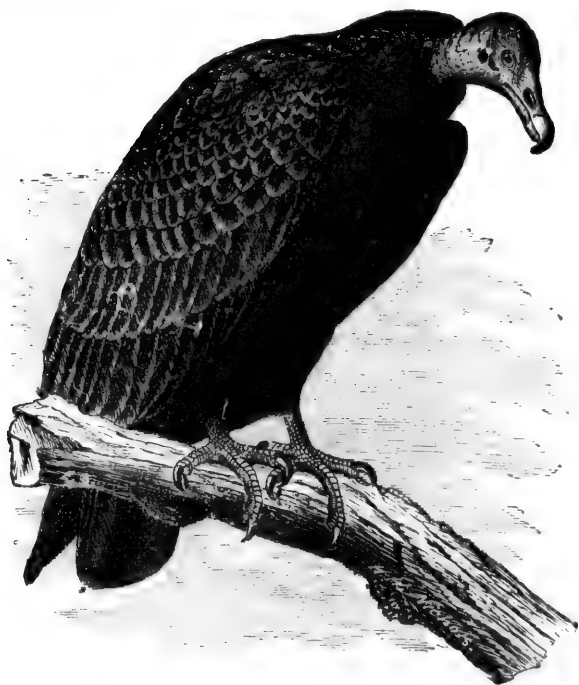
Head and foreneck, bare; skin of head, blackish; general plumage, black; primaries, hoary white beneath.

Black Vulture.**Carrion Crow.**

Catharista uruba.

See No. 260.

Section 2. Wing, over 17 inches long.



General plumage, brownish black or dark brown; bill, whitish; the adult has the head without feathers, the skin being red; immature birds have the head feathered.

Turkey Buzzard.

Turkey Vulture.

Cathartes aura.

See No. 259.

FAMILY FALCONIDÆ.

HAWKS, FALCONS, EAGLES, ETC.

GROUP 1. Wing, less than 8.50 inches long. See page 162.

GROUP 2. Wing, 8.50 to 9.50 inches long. See page 163.

GROUP 3. Wing, 9.50 to 13 inches long. See page 164.

Section 1. Species having second primary longest. See page 165.

Section 2. Species having third primary longest. See page 166.

Section 3. Species having fourth primary longest. See page 166.

GROUP 4. Wing, 13 to 15 inches long. See page 167.

Section 1. Second primary, longest; first and second primaries, emarginate or notched.
See page 167.

Section 2. Third primary, longest; face, bare. See page 167.

Section 3. Fourth primary, longest; upper tail coverts, white. See page 168.

Section 4. Fourth primary, longest; upper tail coverts, not white. See page 168.

GROUP 5. Wing, 15 to 17 inches long. See page 170.

Section 1. Second primary, longest; only first primary, notched. See page 171.

Section 2. Second primary, longest; first and second primary, notched. See page 171.

Section 3. Third primary, longest. See page 171.

Section 4. Fourth primary, longest; four or five outer primaries, notched; upper tail coverts, white. See page 173.

Section 5. Fourth primary, longest; four or five outer primaries, notched; upper tail coverts, not white; no feathers on the tarsus. See page 173.

Section 6. Fourth primary, longest; four or five outer primaries, notched; upper tail coverts, not white; tarsus, partly feathered. See page 173.

Section 7. Fourth primary, longest; four or five outer primaries, notched; tarsus, *entirely* feathered. See page 174.

Section 8. Fourth primary, longest; three outer primaries, notched. See page 174.

GROUP 6. Wing, 17 to 21 inches long. See page 174.

Section 1. Third primary, longest; tarsus, wholly feathered. See page 174.

Section 2. Third primary, longest; tarsus, *not* wholly feathered. See page 177.

Section 3. Fourth primary, longest; tarsus, without feathers. See page 178.

Section 4. Fourth primary, longest; tarsus, partly feathered. See page 178.

Section 5. Fourth primary, longest; tarsus, *entirely* feathered. See page 178.

GROUP 7. Wing, over 21 inches long. See page 179.



First primary, emarginate or notched.



First two primaries, emarginate.
Swallow-tailed Kite



First three primaries, emarginate
Swainson's Hawk



First four primaries, emarginate
Rough-legged Hawk



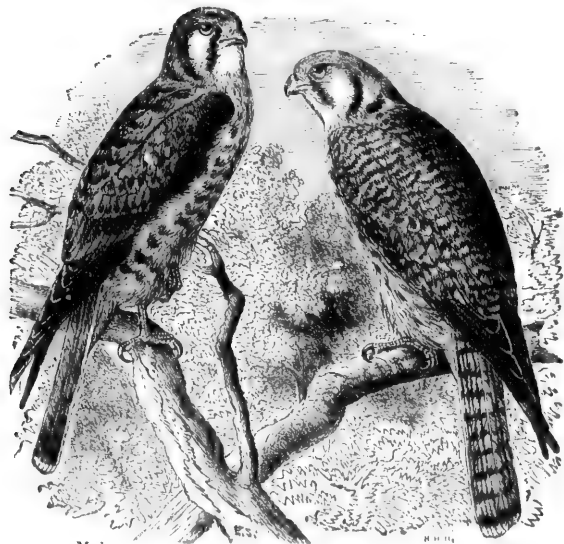
First five primaries, emarginate.
Bald Eagle.

FAMILY FALCONIDÆ.

Hawks, Falcons, Eagles, etc.

Toes, four, three in front, one behind; toes, with strong, curved talons or claws; bill, with cere (skin-like covering at the base); bill, strongly hooked.

Group 1. Wing, less than 8.50 inches long.



Male.

Female.

Rump and upper tail coverts, **rufous brown**; tail, more or less marked with **rufous brown**; tarsus, less than 1.50; **second primary, longest**.

Sparrow Hawk.

Falco sparverius.

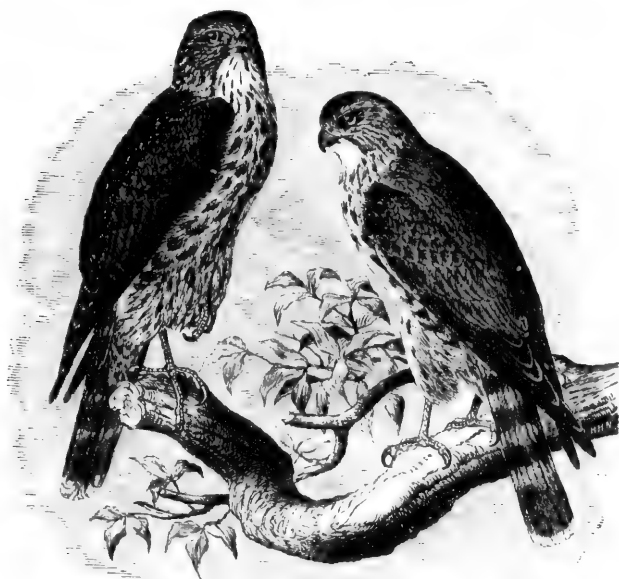
See No. 295.

Rump and upper tail coverts, slaty brown; tarsus, over 1.50; **fourth primary, longest**.

Sharp-shinned Hawk.

Accipiter velox.

See No. 266.



Rump and upper tail coverts, dark brown; breast, streaked with dark brown; no rufous brown on tail; **second primary, longest.**

Pigeon Hawk.

Falco columbarius.

See No. 292.

Group 2. Wing, 8.50 to 9.50 inches long.

Second primary, longest.

Pigeon Hawk.

Falco columbarius.

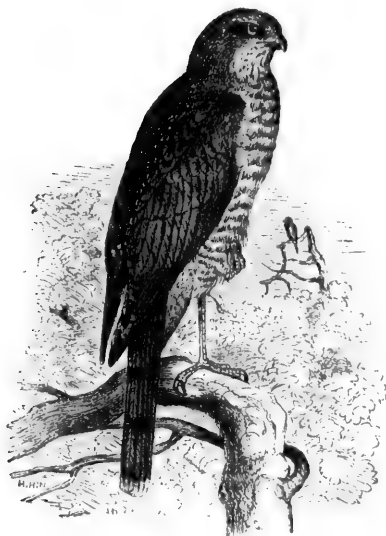
See No. 292.

Fourth primary, longest; outer tail feather, three quarters inch or more shorter than middle feather; tail, usually more than 7.25 long.

Cooper's Hawk.

Accipiter cooperi.

See No. 267.



Fourth primary, longest; outer tail feather, less than three quarter inch shorter than middle feather; tail, usually less than 7.25 long.

Sharp-shinned Hawk.

Accipiter velox.

See No. 266.

Group 3. Wing, 9.50 to 13 inches long.

Section 1. The following species have the second primary longest.



Upper surface of inner web of first **primary, without bars**; breast and belly, white.

White-tailed Kite.

Elanus leucurus.

See No. 262.

Upper surface of inner web of first primary, **barred with white**; breast and belly, streaked.

Prairie Falcon.

Falco mexicanus.

See No. 290.

Upper surface of inner web of first primary, **barred with pale rufous brown**; breast and belly, streaked.

Duck Hawk.

Peregrine Falcon.

Falco peregrinus anatum.

See No. 291.

Section 2. The following species have the third primary longest.



Belly, slaty gray (adult), or buffy streaked more or less with pale brown (immature); upper tail coverts, not white.

Mississippi Kite.

Ictinia mississippiensis.

See No. 263

Section 3. The following species have the fourth primary longest.

Upper tail coverts, white; **tarsus, less than 2.25**. Rare north of Florida, where it is a permanent resident.

Everglade Kite.

Rostrhamus sociabilis.

See No. 264.



Marsh Hawk.

Upper tail coverts, white; **tarsus, over 2.25**.

Marsh Hawk.

Circus hudsonius.

See No. 265.

Fourth outer primary, **not decidedly notched**; under surface of primaries, **not barred** with dark brown and white; tail, less than 9.50; upper tail coverts, not white.

Broad-winged Hawk.

Buteo latissimus.

See No. 278.

Fourth outer primaries, **decidedly notched**; under surface of outer primaries, **not heavily barred** with dark brown and white; tail, 9.50, or over; wing, over 11.50.

American Goshawk.

Accipiter atricapillus.

See No. 268.

Fourth outer primary, **decidedly notched**; under surface of outer primaries, **not heavily barred with dark brown and white**; tail, less than 9.50; upper surface of tail, with **distinct white bars**.

Red-shouldered Hawk.

Buteo lineatus, and races.

See No. 275.

Under surface of primaries, heavily barred with dark brown and white; wing, under 11.50.

Cooper's Hawk.

Accipiter cooperi.

See No. 267.

Belly, white, without streaks or bars.

Short-tailed Hawk.

Buteo brachyurus.

See No. 279.

Belly, black; general plumage, black (black phase).

Short-tailed Hawk.

Buteo brachyurus.

See No. 279.

Group 4. Wing, 13 to 15 inches long.

Section 1. Second primary, longest; first and second primaries, emarginate, or notched.

Length, always under 19; primaries, hoary gray, without bands

White-tailed Kite.

Elanus leucurus.

See No. 262.

First primary, pale brown, with numerous bands on inner web; **length, usually under 19** (some females are longer).

Prairie Falcon.

Falco mexicanus.

See No. 290.

Length, always over 19; under tail coverts, spotted, or washed with dusky.

Gray Gyrfalcon.

Falco rusticolus, and races.

See No. 287.

Length, always over 19; under tail coverts, white, without spots.

White Gyrfalcon.

Falco islandus.

See No. 286.

Section 2. Third primary, longest; face, bare.

Basal portion of tail, white, barred with black, or brown; end of tail, black.

Audubon's Caracara.

Polyborus cheriway.

See No. 297.

Face, not bare; upper surface of tail, grayish brown, with numerous bars;
three outer primaries emarginate or notched.

Swainson's Hawk.

Buteo swainsoni.

See No. 277.

**Section 3. Fourth primary, longest; upper tail coverts,
white.**

Under surface of tail, whitish at base; **one** broad subterminal band of dark brown,
tipped with grayish white; upper mandible elongated (see cut). Not recorded
north of Florida.

Everglade Kite.

Elanoides forficatus.

See No. 261.

Upper mandible, more hawk-like (see cut); under surface of tail, white or pale
rufous, with **several bands of dark brown**.

Marsh Hawk.

Circus hudsonius.

See No. 265.

**Section 4. Fourth primary, longest; upper tail coverts,
not white.**

Upper surface of tail, bright rufous brown, with or without bands (adult).

Red-tailed Hawk.

Buteo borealis, and races.

See No. 271.

Upper surface of inner webs of outer tail feathers, barred with brown and **white**;
tail feathers, more or less tinged with pale rufous; **primaries, not tinged with
rufous** (immature).

Red-tailed Hawk.

Buteo borealis.

See No. 271.

Upper surface of inner web of outer tail feathers, barred with brown and **white**;
tail feathers, more or less tinged with pale rufous; **primaries, more or less
tinged with rufous** (immature).

Red-shouldered Hawk.

Buteo lineatus.

See No. 275.

Upper surface of tail, dark brown, barred with **white** (adult).

Red-shouldered Hawk.

Buteo lineatus, and races.

See No. 275.

Face, bare; basal portion of tail, white, barred with black or dark brown; end
of tail black; thighs, black or dark brown.

Audubon's Caracara.

Polyborus cheriway.

See No. 297.



Adult. Swainson's Hawks. Immature.

Throat, white; breast, dull brown; thighs, barred rufous brown and white;
three outer primaries emarginate or notched (adult)

Swainson's Hawk.*Buteo swainsoni.*

See No. 277.

Throat, buff or buff white; breast, heavily marked with dark brown; thighs, pale
rufous or buff with or without bars; three outer primaries emarginate or notched
(immature).

Swainson's Hawk.*Buteo swainsoni.*

See No. 277.

Throat and underparts finely barred with **gray** and dull white, the feathers with
dark shafts; thighs, barred and mottled with gray and white; tail, 9.50 or over;
wing, over 11.50 (adult).

Goshawk.*Accipiter atricapillus.*

See No. 268.

Throat and underparts and thighs, white, or tawny white, **streaked** with dark
brown; tail, strongly barred (immature).

Goshawk.*Accipiter atricapillus.*

See No. 268.

Group 5. Wing, 15 to 17 inches long.**Section 1. Second primary, longest; only first primary, emarginate, or notched.****Duck Hawk.**

Length, under 19; primaries, dark brown, banded on inner web with **pale rufous.**

Duck Hawk.

Falco peregrinus anatum.

See No. 291.

Length, over 19; under tail coverts, white, without spots.

White Gyrfalcon.

Falco islandus, and races.

See No. 286.

Length, over 19; under tail coverts, marked with dusky or spotted.

Gray Gyrfalcon.

Falco rusticolus.

See No. 287.

Section 2. Second primary, longest; first and second primaries, emarginate or notched.

Back, entirely brown; **belly, white**, without streaks; under tail coverts, pure white; tarsus, nearly bare.

Fish Hawk.

Pandion haliaetus carolinensis.

See No. 298.

Back, brown; belly, brown; under tail coverts, not white.

Black Gyrfalcon.

Falco rusticolus obsoletus.

See No. 289.

Back, slaty brown and white; under tail coverts, spotted or marked with dusky.

Gray Gyrfalcon.

Falco rusticolus, and races.

See No. 287.

Back, white, or white streaked with slaty brown; under tail coverts, white.

White Gyrfalcon.

Falco islandus.

See No. 286.

Section 3. Third primary, longest.

Four outer primaries, notched; basal portion of inner webs of primaries, largely **white, without bars**; thighs, **tawny** or buff, more or less barred; tarsus, thickly feathered.

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

Four outer primaries, notched; basal portion of inner webs of primaries, largely **white, without bars**; thighs, tinged with deep rufous, **heavily barred**; tarsus thickly feathered.

Ferruginous Rough-legged Hawk.

Archibuteo ferrugineus.

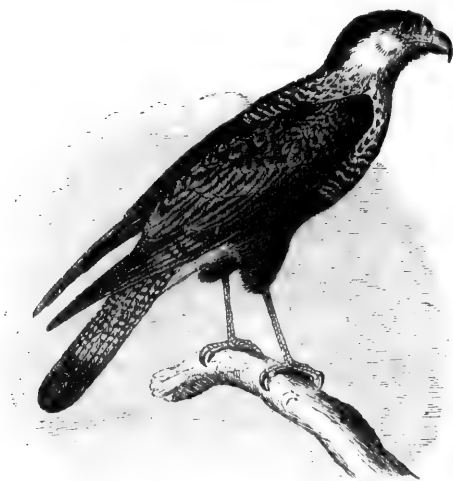
See No. 282.

General plumage, entirely sooty brown, or black; four outer primaries, notched; primaries and tail, with more or less white, or gray; tarsus, thickly feathered.

American Rough-legged Hawk (black plumage).

Archibuteo lagopus sancti-johannis.

See No. 281.



Caracara.

Four outer primaries, emarginate, but not decidedly notched; a part of inner web of outer primaries, white, showing numerous imperfect bars; thighs, black, or dark brown; face, bare.

Audubon's Caracara.*Polyborus cheriway.*

See No. 297.

Three outer primaries, notched; **belly and thighs, not white.**

Swainson's Hawk.*Buteo swainsoni.*

See No. 277.

Three outer primaries, notched; a part of inner web of outer primaries, white, showing numerous imperfect bars: **belly and thighs, pure white;** back, dark brown.

Fish Hawk.*Pandion haliaetus.*

See No. 298.

Two outer primaries, notched; primaries, dark slaty blue, showing greenish tinge when held in the light; tail, long and forked; underparts and thighs, white.

Swallow-tailed Kite.*Elanoides forficatus.*

See No. 261.

Section 4. Fourth primary, longest; four or five outer primaries, emarginate or notched; upper tail coverts, white.

Under surface of tail, whitish at base; one broad subterminal band of dark brown, tipped with grayish white; upper mandible, long and curved (see cut). Not recorded north of Florida.

Everglade Kite.

Rostrhamus sociabilis.

See No. 264.

Upper mandible, hawk-like (see cut); under surface of tail, white or pale rufous with **several bands of dark brown.**

Marsh Hawk.

Circus hudsonius.

See No. 265.

Section 5. Fourth primary, longest, four or five outer primaries emarginate or notched; upper tail coverts, not white; no feathers on tarsus.

Face, bare; back, brown; thighs, black or dark brown.

Audubon's Caracara.

Polyborus cheriway.

See No. 297.

Section 6. Fourth primary, longest, four or five outer primaries, emarginate or notched; upper tail coverts, not white; tarsus, partly (but not entirely) feathered.

Tail, bright rufous brown (adult); tail, whitish or grayish, with numerous brown bars (immature).

Red-tailed Hawk.

Buteo borealis, and rufes.

See No. 271.

General plumage, dark sooty brown, sometimes with underparts pale, more or less streaked and spotted.

Harlan's Hawk.

Buteo borealis harlani.

See No. 274.

Section 7. Fourth primary, longest; four or five outer primaries, emarginate or notched; tarsus, entirely feathered; upper tail coverts, not white.

Thighs, tawny, more or less streaked or barred

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

General plumage, sooty brown or black (black plumage).

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

Thighs, tinged with **deep rufous** with numerous bars.

Ferruginous Rough-legged Hawk.

Archibuteo ferrugineus.

See No. 282.

Section 8. Fourth primary, longest; three outer primaries, emarginate or notched.

Tarsus, partly feathered; throat, white (adult); throat, tawny or buff (immature).

Swainson's Hawk.

Buteo swainsoni.

See No. 277.

Group 6. Wing, 17 to 21 inches long.

Section 1. Third primary, longest; tarsus, wholly feathered.

Basal portion of inner web of primaries, largely **white, without bars**; thighs, **tawny or buff, more or less barred**; **tarsus, thickly feathered.**

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

Basal portion of inner web of primaries, largely **white, without bars**; thighs, tinged with deep rufous **heavily barred.**

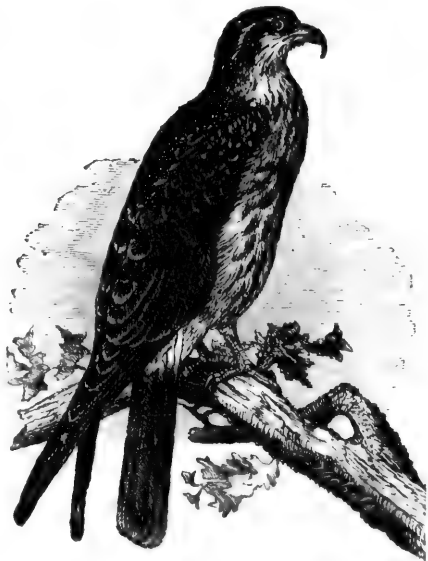
Ferruginous Rough-legged Hawk.

Archibuteo ferrugineus.

See No. 282.



Broad-winged Hawk.



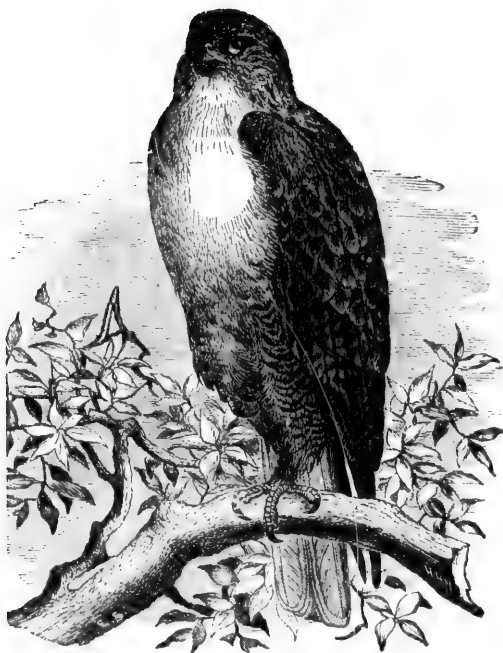
Everglade Kite.



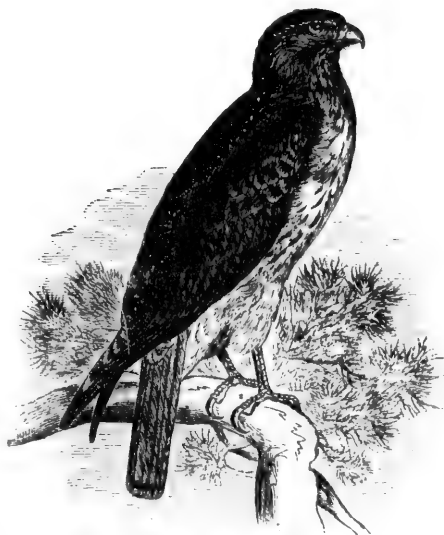
Osprey.



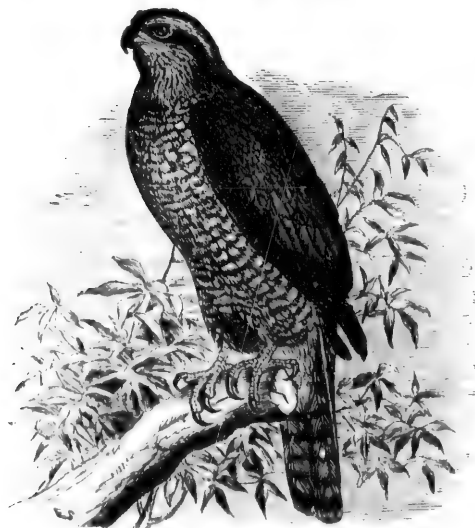
Red-shouldered Hawk.



Rough-legged Hawk.



Red-tailed Hawk.



Goshawk.



Gyrfalcon.

General plumage, entirely sooty brown or black; primaries and tail, with more or less white or gray.

American Rough-legged Hawk (black plumage).

Archibuteo lagopus sancti-johannis.

See No. 281.

Section 2. Third primary, longest; tarsus, not wholly feathered.

Wing, less than 19; a part of inner web of outer primaries, white, showing numerous imperfect bars; thighs, black or dark brown; face, bare.

Audubon's Caracara.

Polyborus cheriway.

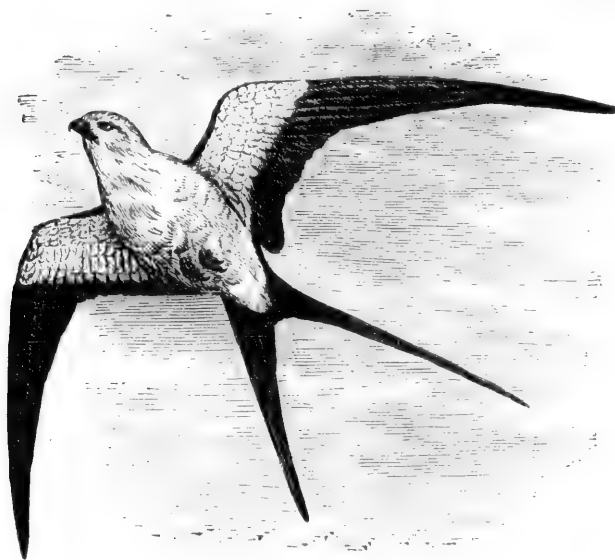
See No. 297.

Wing, from 16.90 to 21; a part of inner web of outer primaries, white, showing numerous imperfect bars; **three outer primaries, notched; belly and thighs, pure white;** back, dark brown.

Fish Hawk.

Pandion haliaetus carolinensis.

See No. 285.



Wing, less than 19; primaries, dark slaty blue, showing greenish tinge when held in the light; **two outer primaries, notched;** tail, long and forked; underparts and thighs, pure white.

Swallow-tailed Kite.

Elanoides forficatus.

See No. 261.

Wing, always over 18.50; **belly and thighs, never white**; only adult birds have the hood and tail, white.

Bald Eagle.

Haliaeetus leucocephalus.

See No. 285.

Section 3. Fourth primary, longest; tarsus, without feathers.

Back, brown; face, bare.

Audubon's Caracara.

Polyborus cheriway.

See No. 297.

Section 4. Fourth primary, longest; tarsus, partly (not entirely) feathered.

Tail, rufous brown (adult); tail, whitish or grayish, with numerous brown bars (immature).

Red-tailed Hawk.

Buteo borealis, and races.

See No. 271.

General plumage, dark sooty brown, sometimes with pale underparts, more or less streaked and spotted.

Harlan's Hawk.

Buteo borealis harlani.

See No. 274.

Wing, always over 18.50; only adults have head and tail white.

Bald Eagle

Haliaeetus leucocephalus.

See No. 285.

Section 5. Fourth primary, longest; tarsus, entirely feathered.

Thighs, tawny, more or less streaked or barred.

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

General plumage, sooty brown or black (black plumage).

American Rough-legged Hawk.

Archibuteo lagopus sancti-johannis.

See No. 281.

Thighs, tinged with **deep rufous** with numerous bars.

Ferruginous Rough-legged Hawk.

Archibuteo ferrugineus.

See No. 282.

Group 7. Wing, over 21 inches long.



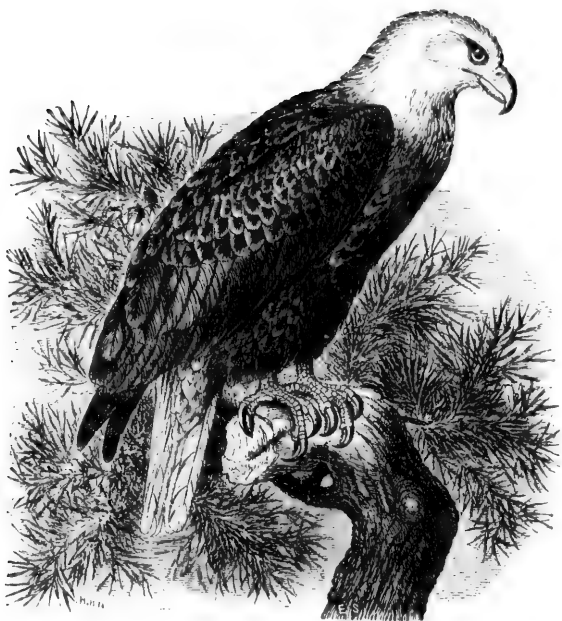
Golden Eagle.

Tarsus, entirely feathered ; head and tail, never white.

Golden Eagle.

Aquila chrysaetos.

See No. 283.



Tarsus, not entirely feathered; head and tail, more or less white in old birds;
younger birds, have no white on head.

Bald Eagle.

Haliaeetus leucocephalus

See No. 285.

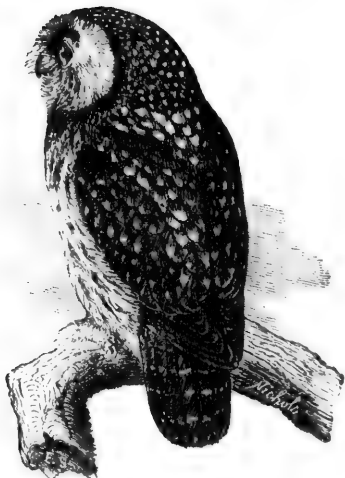
FAMILY STRIGIDÆ.

Owls.

Radiated disk of feathers surrounding the eye; plumage, soft; toes, armed with strong curved talons.

Group 1. Wing, less than 8.50 inches long.

Section 1. Toes, thickly feathered.



Richardson's Owl.



Saw-whet Owl.

Wing, less than 6.10; upper plumage, dark cinnamon brown, more or less marked with white; underparts, whitish, streaked with brown; immature birds have much white about the face.

Saw-whet Owl.

Acadian Owl.

Nyctala acadica.

See No. 306.

Wing, over 6.10; upper plumage, dark cinnamon brown, more or less marked with white; underparts, brown and white.

Richardson's Owl.

Nyctala tengmalmi richardsoni.

See No. 305.

Section 2. Toes, nearly bare, or but thinly feathered.

Screech Owl.

About one quarter natural size.

Tarsus, thickly feathered; head with two horn-like tufts of feathers; general plumage, sometimes gray, sometimes rufous brown, more or less streaked and spotted.

Screech Owl.*Megascops asio, and races.*

See No. 307.

Tarsus, scantily feathered, usually nearly bare, especially on the lower part; head, without horn-like tufts of feathers. Occurs only in Florida.

Florida Burrowing Owl.*Speotyto cunicularia floridana.*

See No. 315.

Group 2. Wing, 8.50 to 11 inches long.

Primaries, dark brown, more or less marked with **tawny brown**.

Long-eared Owl.*Asio wilsonianus.*

See No. 300.

Primaries, dark brown, more or less marked with **pure white**; no horn-like tufts of feathers on head.

Hawk Owl.*Surnia ulula caparoch.*

See No. 313.

Group 3. Wing, 11 to 13 inches long.

General plumage, brown, mottled, and streaked; underparts, **streaked and barred** with brown; toes, feathered.

Barred Owl.

Syrnium nebulosum.

See No. 302.

Underparts, **streaked and barred** with brown; toes, nearly bare.

Florida Barred Owl.

Syrnium nebulosum alleni.

See No. 303.



Barn Owl.

About one seventh natural size.

Underparts, white, or tawny white, with more or less small **spots** of brown; middle toe nail, with comb-like edge.

Barn Owl.

Strix pratensis.

See No. 299.

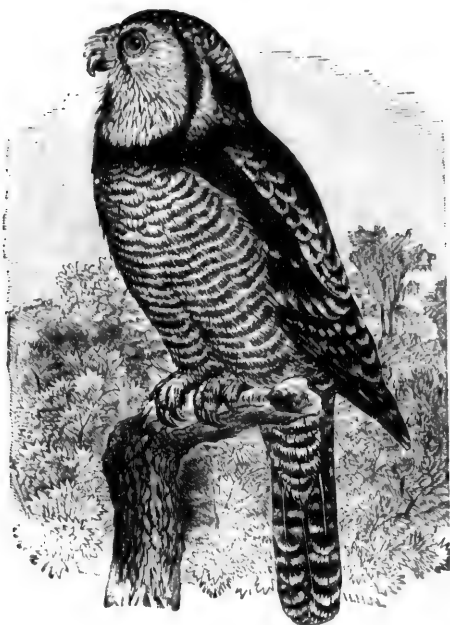
Group 4. Wing, 13 to 15 inches long.**Section 1. Second primary, decidedly shorter than fourth.**

Underparts, white, barred and streaked with brown; toes, more or less feathered.

Barred Owl.

Syrnium nebulosum.

See No. 302.



Hawk Owl.



Burrowing Owl.



Barred Owl.



Snowy Owl.

Underparts, white, barred and streaked with brown; toes, nearly bare. Occurs in Florida and Gulf States only.

Florida Barred Owl.

Syrnium nebulosum alleni,

See No. 303.

Section 2. Second primary, about equal in length to fourth.

Two large, ear-like tufts of feathers above the eyes.

Great Horned Owl.

Bubo virginianus, and races,

See No. 309.

Section 3. Second primary, decidedly longer than fourth.



Short-eared Owl.

Underparts, **streaked**; feet, thickly feathered.

Short-eared Owl.

Asio accipitrinus,

See No. 301.

Underparts, white or buff white, more or less **spotted**; feet, nearly bare.

Barn Owl.

Strix pratensis

See No. 299.

Group 5. Wing, over 15 inches long.

Bill, black; general plumage, **tawny black** and **white**; horn-like tufts of feathers over the eyes.

Great Horned Owl.

Bubo virginianus, and races.

See No. 309.

Bill, black; general plumage, **white**, usually more or less marked with slate brown, or dark brown; no horn-like tufts of feathers over the eyes.

Snowy Owl.

Nyctea nyctea.

See No. 312.

Bill, yellowish; no horn-like tufts of feathers over eyes; general plumage, **gray** mixed with white and dark brown.

Great Gray Owl.

Scotiopteryx cinerea.

See No. 304.



Great Gray Owl.

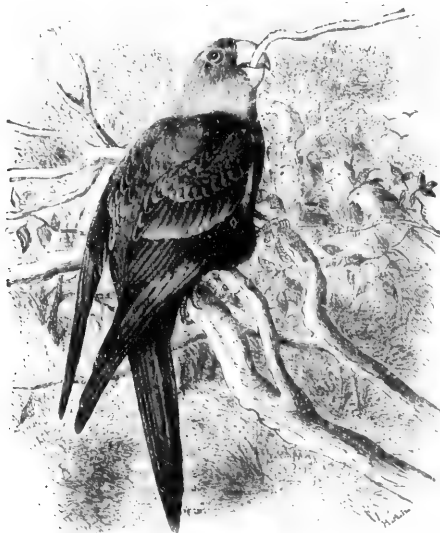


Great Horned Owl.

FAMILY PSITTACIDÆ.

Parrots.

Toes, four, two in front and two behind; bill, with cere (a skin-like covering over base of the bill).



General plumage, green, more or less yellow about the head.

Carolina Paroquet.

Conurus carolinensis

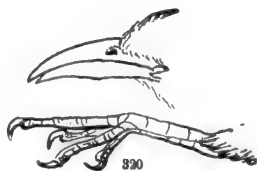
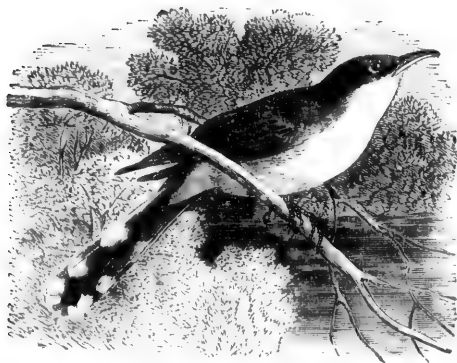
See No. 316.

Once common in Southern States; apparently now restricted to Florida and Indian Territory.

FAMILY CUCULIDÆ.

Cuckoos.

Feet, zygodactyle (two toes in front, two behind).



Under mandible, yellow; greater portion of primaries, rufous brown, tipped with grayish olive; underparts, dull white; outer tail feathers, black, tipped with white.

Yellow-billed Cuckoo.

Coccyzus americanus.

See No. 320.

Under mandible, yellow, tip, black; primaries, grayish olive, not rufous brown; belly, tinged with pale rufous.

Flangrove Cuckoo.

Coccyzus minor, and races.

See No. 318.

Bill, black; no rufous brown on primaries; underparts, dull white; outer tail, like back in color.

Black-billed Cuckoo.

Coccyzus erythrophthalmus.

See No. 321.

General plumage, black; bill, black. West Indian species, recorded from Florida; accidental in the United States. Bill very different from that of true Cuckoo, being thin and "Parrot like."

Ani.

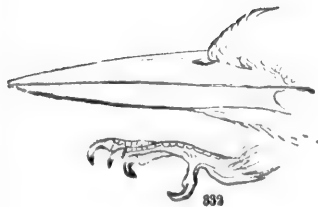
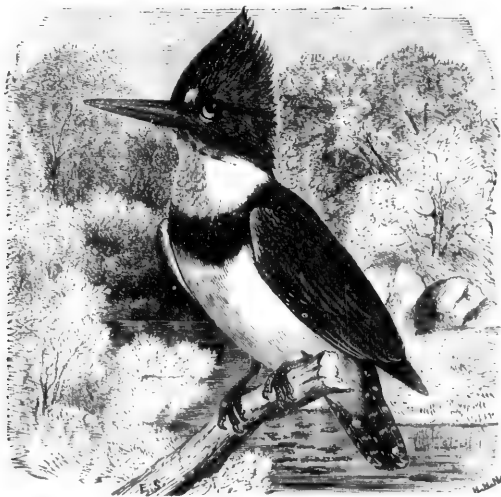
Crotophaga ani.

See No. 317.

FAMILY ALCEDINIDÆ.

Kingfishers.

Feet, syndactyle; toes, four, the middle and outer ones joined, being fastened together for more than half their length.



832

Back, bluish gray; throat and belly, white; a band of bluish gray on the breast (male); underparts, without chestnut brown; sides of the body and a band on the belly, chestnut (female).

Belted Kingfisher.*Ceryle alcyon.*

See No. 322

FAMILY PICIDÆ.**WOODPECKERS.**

GROUP 1. Wing, less than 4.25 inches long. See page 191.

GROUP 2. Wing, 4.25 to 5.50 inches long. See page 191.

Section 1. Toes, three; no trace of red on crown or nape. See page 191.

Section 2. Toes, four; no trace of red on crown or nape. See page 192.

Section 3. Toes, four; more or less red on crown or nape. See page 193.

GROUP 3. Wing, 5.50 to 8.00 inches long. See page 195.

GROUP 4. Wing, over 8.00 inches long. See page 196.

FAMILY PICIDÆ.

Woodpeckers.

Tail feathers, stiff and pointed; bill, strong and sharp. Woodpeckers are commonly seen climbing about on trunks of trees.

Group 1. Wing, less than 4.25 inches long.



Back, black, streaked with white; crown, with red nuchal patch (male); without red nuchal patch (female); **tail feathers, stiff and pointed**; toes, four, two in front, two behind.

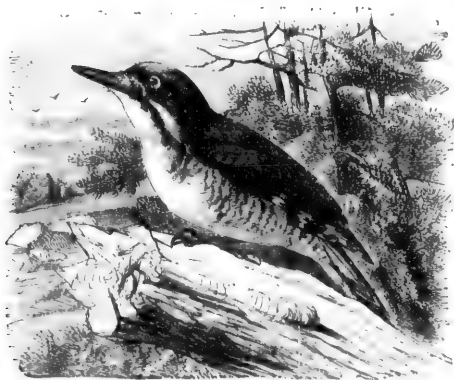
Downy Woodpecker.

Dryobates pubescens.

See No. 326.

Group 2. Wing, 4.25 to 5.50 inches long.

Section 1. The following species have three toes; no trace of red on the crown or nape.



Toes, three; **crown, yellow**; back, black, without white (male).

Arctic three-toed Woodpecker.

Picoides arcticus.

See No. 328.



Toes, three; crown, black; back, black, without white.

Arctic Three-toed Woodpecker.

Picoides arcticus (female).

See No. 328.



Toes, three; crown, yellow; back, black and white.

**American Three-toed Woodpecker.
Banded-backed Woodpecker.**

Picoides americanus (male).

See No. 329.

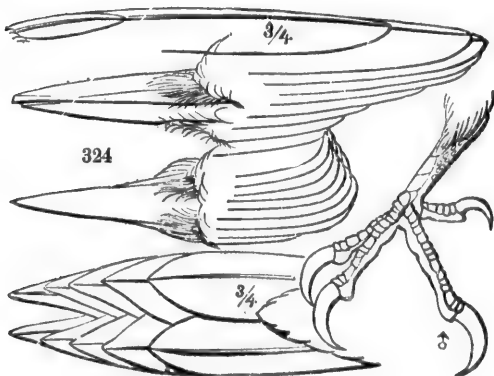
Toes, three; crown, black, marked with white; back, black and white.

**American Three-toed Woodpecker.
Banded-backed Woodpecker.**

Picoides americanus (female).

See No. 329.

Section 2. The following species have four toes; no trace of red on crown or nape.



Ear coverts, black; no white on inner web of two middle tail feathers; middle of back, more or less white, but not heavily banded as in *borealis*; lower rump and upper tail coverts, black.

Hairy Woodpecker.

Dryobates villosus (female).

See No. 321.

Ear coverts, white; no white on inner web of two middle tail feathers; **back, heavily banded with white and black; upper tail coverts, black.**

Red-cockaded Woodpecker.

Dryobates borealis (male).

See No. 327.

Rump and upper tail coverts, pure white; greater portion of tertials and secondaries, white; the shafts, black; inner webs of two middle tail feathers, not marked with white.

Red-headed Woodpecker.

Melanerpes erythrocephalus (immature).

See No. 332.

Inner webs of two middle tail feathers, heavily marked with white; belly, usually tinged with pale yellow.

Yellow-bellied Woodpecker.

Sphyrapicus varius (immature).

See No. 330.

Section 3. The following species have four toes, and more or less red on crown or nape.



Crown, black; a patch of red on the occiput (back of the head); **ear coverts, black;** no white on inner webs of two middle tail feathers; back, black, with white patch in middle, but not heavily banded with black and white; wings, with round white spots; **upper tail coverts, black.**

Hairy Woodpecker.

Dryobates villosus (male).

See No. 324.

Crown, black; a narrow patch of red on either side of the occiput (back of the head); **ear coverts, white;** no white on inner webs of two middle tail feathers; back, banded black and white; **upper tail coverts, black.**

Red-cockaded Woodpecker.

Dryobates borealis (male).

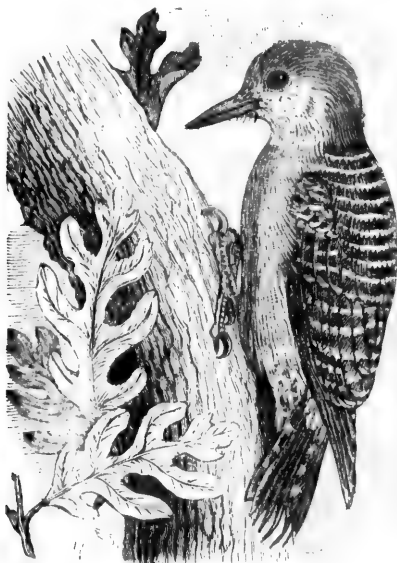
See No. 327.

Crown, red; throat, red (male); crown, red; throat, white (female); belly, tinged with yellow; two middle tail feathers, heavily marked with white on the inner webs; a patch of black on the breast, varying in size, according to age and season.

Yellow-bellied Woodpecker.

Sphyrapicus varius (adult).

See No. 330.



Red-bellied Woodpecker.

Crown, red (male); crown, ashy gray, nape, red (female); throat and underparts, pale ash gray, the belly tinged with red or buff, according to season.

Red-bellied Woodpecker.

Melanerpes carolinus.

See No. 333.

Rump and upper tail coverts, pure white; greater part of secondaries and tertials, white, with black shafts (sometimes with one brown band near tip); entire head and throat, red (adults); immature birds have the head brownish gray, speckled and marked with dull black, but usually showing more or less red in places.

Red-headed Woodpecker.

Melanerpes erythrocephalus.

See No. 332.

Group 3. Wing, 5.50 to 8.00.



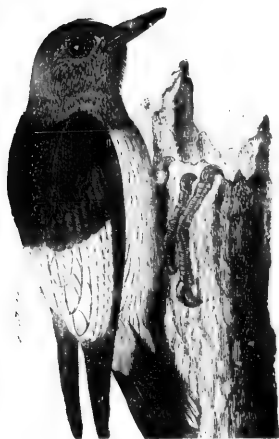
Golden-winged Woodpecker.

Under surface of wings and tail, yellow; a band of red on the nape, and a **black molar stripe** (male): similar but without the black molar stripe (female).

**Golden-winged Woodpecker.
Flicker.**

Colaptes auratus.

See No. 334.



Red-headed Woodpecker.

Rump and upper tail coverts, pure white; greater portion of tertials, white, the shafts, black; middle tail feathers, not marked with white; belly, white.

Red-headed Woodpecker.

Melanerpes erythrocephalus.

See No. 333.



Yellow-bellied Woodpecker.

Throat, red or white, *not* gray; belly, tinged with yellow.

Yellow-bellied Woodpecker.

Sphyrapicus varius.

See No. 330.

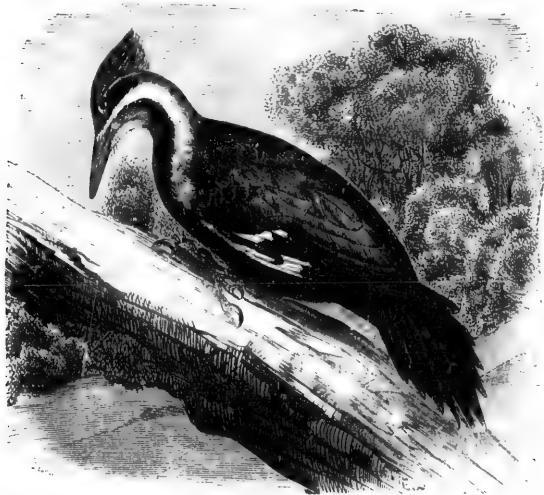
Middle tail feathers, marked with white; underparts, ashy, tinged with red or buff on the belly.

Red-bellied Woodpecker.

Melanerpes carolinus.

See No. 332.

Group 4. Wing, over 8.00.

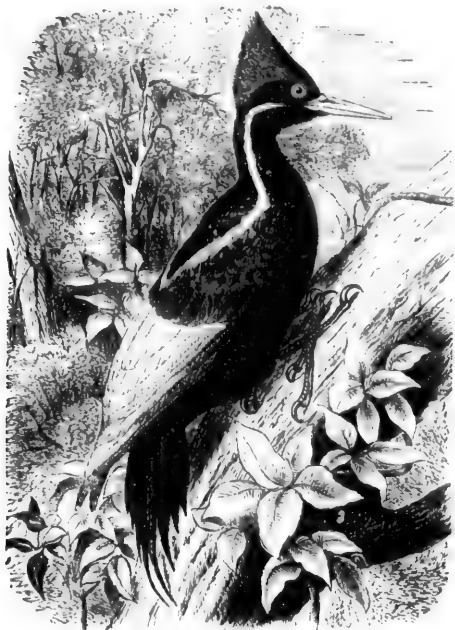


Bill, dark slaty, or blackish; upper plumage, blackish; basal half of wing feathers, white; whole crown, scarlet red (male); front of crown, not red (female).

Pileated Woodpecker.

Ceophloeus pileatus.

See No. 331.



Ivory-billed Woodpecker.

Bill, yellowish white; greater portion of plumage, black; greater portion of secondaries, and tips of inner primaries, white; a white stripe extends down sides of the neck to the back; crest, bright red (male); crest, black (female). Occurs in Florida, and in a few localities along the Gulf coast. Rare.

Ivory-billed Woodpecker.

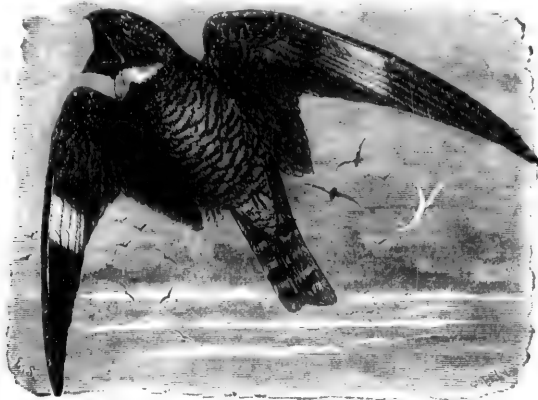
Campephilus principalis.

See No. 323.

FAMILY CAPRIMULGIDÆ.

Night-hawks, Whip-poor-wills, etc.

Feet, small and weak; mouth, very large; bill, small; middle toe nail, with fine comb-like edge; front toes, connected at base.



A band of white on the wing; tail feathers, not tipped with white.

Night-hawk.

Chordeiles virginianus, and races.

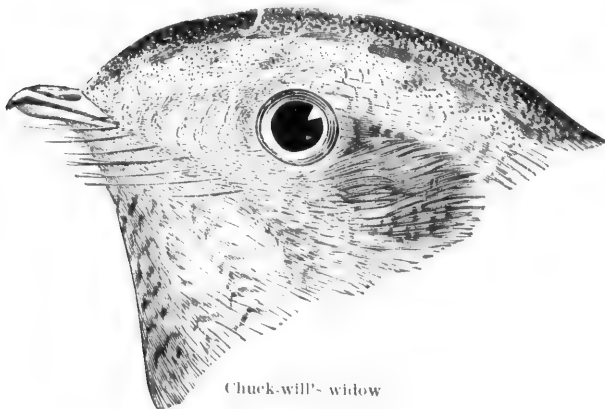
See No. 337.

No white on the wing; primaries, banded with rufous brown and black; wing, over 7.50.

Chuck-will's-widow.

Antrostomus carolinensis.

See No. 335.



Chuck-will's-widow



No white on wing; outer tail feathers, broadly tipped with white; wing, under 7.50.

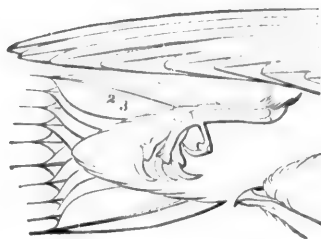
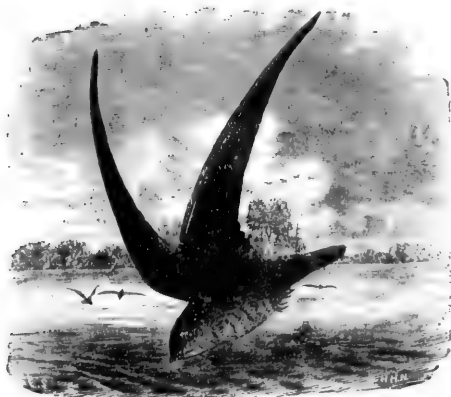
Whip-poor-will.

Antrostomus vociferus.

See No. 336.

FAMILY MICROPODIDÆ.

Swifts.



General plumage, sooty brown, showing a faint greenish tinge on the upper parts; throat, ashy white; **tail feathers, with sharp spines**, or points formed by the shafts of the feathers, extending beyond the webs. The Swifts are widely separated generically from the Swallows; but persons unfamiliar with birds might look for them under the same family.

Chimney Swift.*Chaturus pelagica.*

See No. 340.

FAMILY TROCHILIDÆ.

Humming-birds.

Smallest of Birds. Wing less than 1.75 inches long (carpus to tip).



Throat, ruby red; back, golden green (male); no red on throat (female and young male).

Ruby-throated Humming-bird.*Trochilus Colubris.*

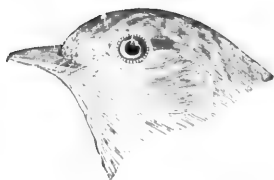
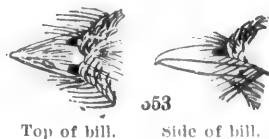
See No. 341.

FAMILY TYRANNIDÆ.

Flycatchers.

Group 1. Wing, from 2.13 to 2.37 inches long.

Bill, broad and flattened, with numerous small black bristles at base; tip, with small but distinct hook.



Bill, with small hook at tip, **flat and wide at base**; back, olive green; **belly, not yellow**, or only faintly tinged with yellow.

Least Flycatcher.

Empidonax minimus.

See No. 355.

Back, olive green; **belly, clear yellow.**

Yellow-bellied Flycatcher.

Empidonax flaviventris.

See No. 352.

Group 2. Wing, 2.37 to 2.75 inches long.

Under mandible, yellowish white; **throat, whitish**; breast and belly, dull white, tinged with pale yellow; back, olive green.

Arcadian Flycatcher.**Green-crested Flycatcher.**

Empidonax virescens.

See No. 353.

Under mandible, yellowish white; **throat and underparts**, greenish yellow; back, olive green.

Yellow-bellied Flycatcher.

Empidonax flaviventris.

See No. 352.



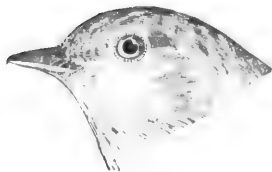
Flycatcher.

Under mandible, pale yellowish white, or brownish white; **back, tinged with olive brown**; wing, over 2.60.

Traill's Flycatcher.

Empidonax traillii aliorum.

See No. 354.



Under mandible, usually pale brown or brownish white; wing, under 2.60.

Least Flycatcher

Empidonax minimus.

See No. 355.

Group 3. Wing, 2.75 to 3.25 inches long.

353



Bill, flat and wide, with small hook at tip, and black bristles at base.

Wing, under 3.05; under mandible, yellowish white; throat and underparts, pale greenish yellow; back, olive green.

Yellow-bellied Flycatcher.

Empidonax flaviventris.

See No. 352.

Wing, usually under 3.05; under mandible, yellowish white; throat, white; breast and belly, whitish, faintly tinged with yellow; back, dull olive green.

Arcadean Flycatcher.

Empidonax virens.

See No. 353.

Wing, under 3.05; upper parts, tinged with olive brown; throat, white; under mandible, yellowish white; eye-ring and wing bars, pale tawny.

Traill's Flycatcher.

Empidonax traillii aliorum.

See No. 354.

Group 4. Wing, 3.25 to 3.75 inches long.



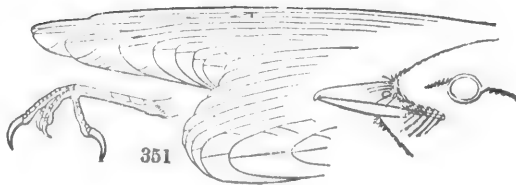
344

Both mandibles, blackish; back, brownish olive.

Phœbe Flycatcher.

Sayornis phœbe.

See No. 348.



351

Under mandible, pale, usually yellowish, or yellowish brown; back, dull olive.

Wood Pewee.

Contopus virens.

See No. 351.

Group 5. Wing, 3.75 to 4.25 inches long

Bill, with small hook at tip, and black bristles at base; back of tarsus, rounded.



Flycatcher.



353

Throat, grayish; belly, yellow; back, dull olive; more or less rufous brown on the tail feathers.

Crested Flycatcher.*Myiarchus crinitus.*

See No. 347.

Throat, grayish olive; belly, pale rufous brown; upper parts, olive gray.

Say's Phoebe.*Sayornis saya.*

See No. 349.

Throat, and middle of belly, white, sometimes tinged with yellow; under mandible, pale at base; upper parts, brownish olive; greater portion of breast, and sides of the body, brownish olive; upper mandible, black; **a tuft of whitish feathers on the flanks.**

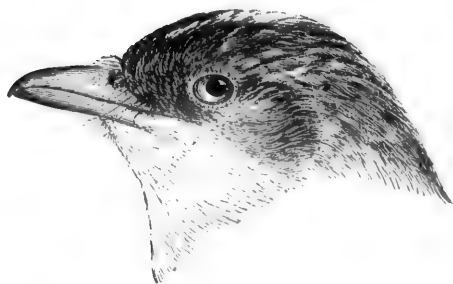
Olive-sided Flycatcher.*Contopus borealis.*

See No. 350.

Throat and underparts, white; a very long forked tail; crown, black, with yellow patch in centre; back, gray.

Fork-tailed Flycatcher.*Melanerpes formicivorus.*

See No. 342.

Group 6. Wing, 4.25 to 4.75 inches long.

Back, blackish; a concealed patch of fiery red on crown; tail, tipped with white; belly, white.

King Bird.*Tyrannus tyrannus.*

See No. 344.

Back, dull ash gray; a concealed patch of orange red on crown; tail, not tipped with white; belly, white.

Gray King Bird.*Tyrannus dominicensis.*

See No. 345.



Crown and back, dull olive; throat, gray; belly and under tail coverts, yellow; tail feathers, heavily marked with rufous.

Crested Flycatcher.*Myiarchus crinitus.*

See No. 347.

Crown, dull olive gray; throat, olive gray; belly, rufous brown; tail, black.

Say's Phoebe Flycatcher.*Sayornis saya.*

See No. 349.

Upper plumage, brownish olive, or dull, grayish olive; throat and middle of belly, white, sometimes tinged with pale yellow; breast (except middle) and sides of body, dull grayish olive; under mandible, pale.

Olive-sided Flycatcher.

Cantopus borealis.

See No. 350.



Crown and back, ashy; throat and breast, ashy white; **sides of breast and body, orange red;** tail, very long, rarely less than four and one half inches.

Scissor-tailed Flycatcher.

Milvulus forficatus.

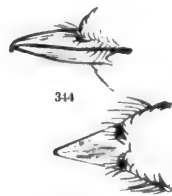
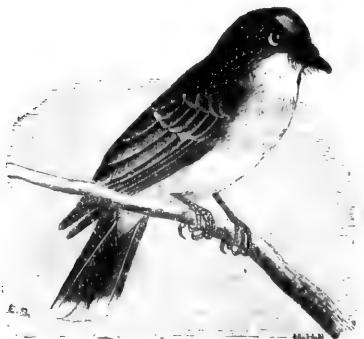
See No. 343.

Crown, black, with concealed patch of yellow; back, gray; underparts, white; **tail, very long,** usually more than four and one half inches.

Fork-tailed Flycatcher.

Milvulus tyrannus.

See No. 342.

Group 7: Wing, 4.75 to 5.50 inches long.

Top of bill.

Back, blackish; a concealed patch of fiery red on the crown; tail, tipped with white; belly, white.

King Bird.*Tyrannus tyrannus.*

See No. 344.

Back, dull ash gray; a concealed patch of orange red on the crown; tail, not tipped with white; belly, white.

Gray King-bird.*Tyrannus dominicensis.*

See No. 345.

Back, olive gray; a concealed orange patch on the crown; throat, gray; belly, yellow; outer web of outer tail feather, white; a western species which has occasionally been taken east of the Mississippi.

Arkansas Flycatcher.*Tyrannus verticalis.*

See No. 346.

Crown and back, ashy; throat and breast, ashy white; sides of breast and body, orange red; tail, very long, rarely less than four and one half inches. A southwestern species, several examples of which have been taken in Eastern North America, from Ontario to Florida.

Scissor-tailed Flycatcher.*Milvulus forficatus.*

See No. 343.

Crown, black, with concealed patch of yellow; back, gray; underparts, white; tail, very long and forked, usually over four and one half inches. South American species, stragglers, have been taken in Eastern North America.

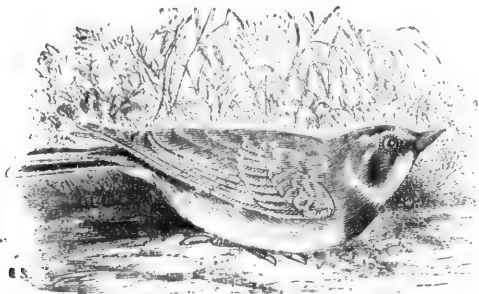
Forked-tail Flycatcher.*Milvulus tyrannus.*

See No. 342.

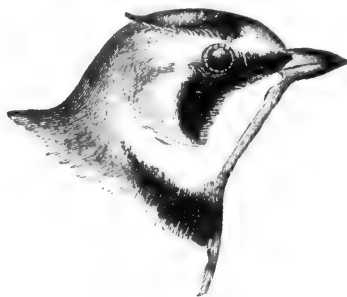
FAMILY ALAUDIDÆ.

Larks.

Bill, pointed, and somewhat rounded; back of tarsus, rounded; hind toe nail, elongated, equal or longer than the toe; nostrils, more or less concealed by tufts of hair-like feathers; wing, 3.75 to 4.50.



Horned Lark.



Upper throat and line over the eye, yellow, or yellowish white; a stripe from bill below the eye, and a patch on breast, black, or blackish; belly, white; upper parts, brownish, more or less streaked; hind toe nail, long, and nearly straight; greater portion of outer web of outer tail feather, white. In immature and winter birds, the horn-like tuft of feathers is lacking, or indistinct.

Horned Lark.

Shore Lark.

Otocoris alpestris, and races.

See No. 357.

FAMILY CORVIDÆ.

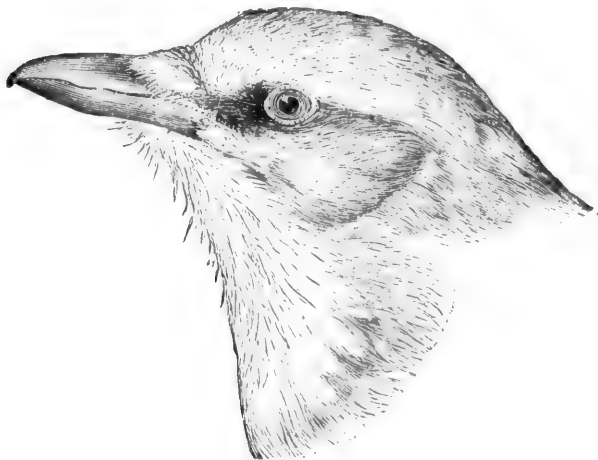
Jays, Crows, etc.

SUBFAMILY GARRULINÆ.

Jays and Magpies.

First primary, much shorter than second, always less than three fourths as long as third; fourth or fifth primary, longest; bill, stout and strong; the nostrils, concealed by coarse hair-like feathers; outer tail feathers, shorter than middle feathers.

Group 1. Wing, 3.75 to 4.75 inches long.

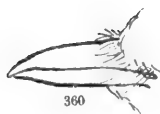


Top and sides of head, wings and tail, dull blue; back and belly, ash gray.
Occurs only in Florida.

Florida Jay.
Aphelocoma floridana.
See No. 362.

Group 2. Wing, 4.75 to 5.50 inches long.

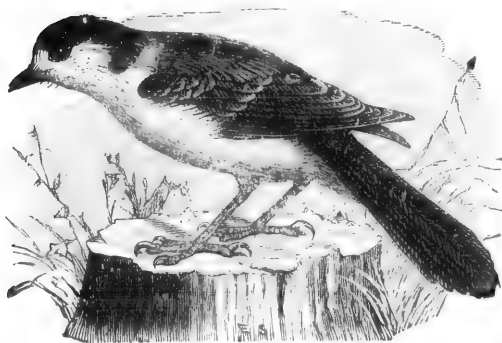
Upper parts, pale blue or purplish blue; tail, bright blue, barred with black and (except middle feathers), tipped with white; wings, blue, marked with white; underparts, ashy white; breast with black band.



360

Blue Jay.*Cyanocitta cristata*, and races.

See No. 360.



No blue on plumage anywhere; greater part of crown, dusky; breast and belly, gray; throat, lighter.

Canada Jay.*Perisoreus canadensis*, and races.

See Nos. 463 and 464.

Group 3. Wing, 5.50 to 6.50 inches long.

Upper parts, pale blue, or purplish blue; tail, bright blue, barred with black, and (except middle feathers) tipped with white; wings, blue, marked with white; underparts, ashy white; breast, with black band.

Blue Jay.*Cyanocitta cristata*

See No. 360.

Forehead, throat, and sides of head, dull white; back of crown and nape, blackish; back, gray; underparts, ashy, palest on the throat.

Canada Jay.*Perisoreus canadensis*, and races.

See No. 363.

Group 4. Wing, 6.50 to 8.50 inches long.

Head and breast, black; tail, long, showing more or less green and purple reflections.

American Magpie.*Pica pica hudsonica*.

See No. 359.

SUBFAMILY CORVINÆ.**Crows and Ravens.****Group 5. Wing, 9.50 to 15 inches long.**

Plumage, black; wing, over 11.50; tarsus, over 2.10; bill, over 1.80.

Crow.*Corvus americanus*, and races.

See No. 366.

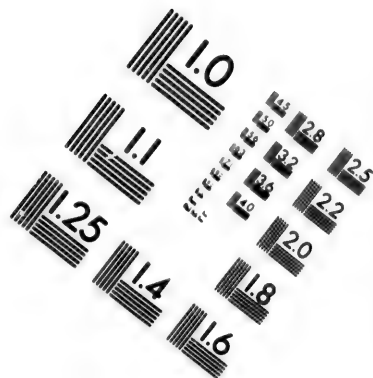
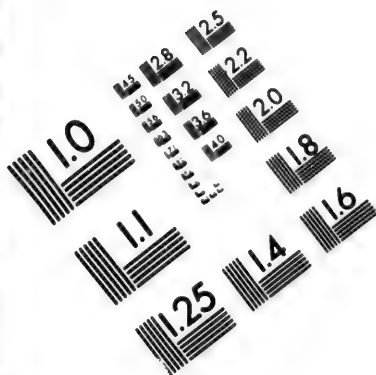
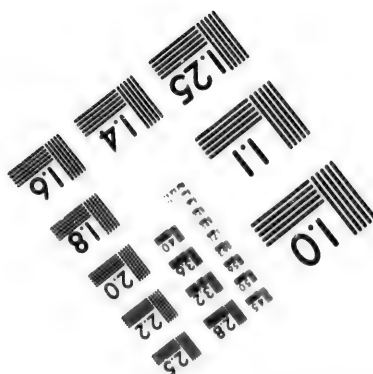
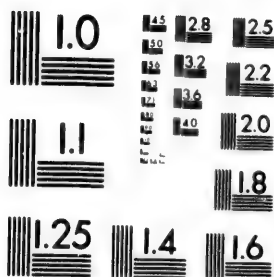


IMAGE EVALUATION TEST TARGET (MT-3)



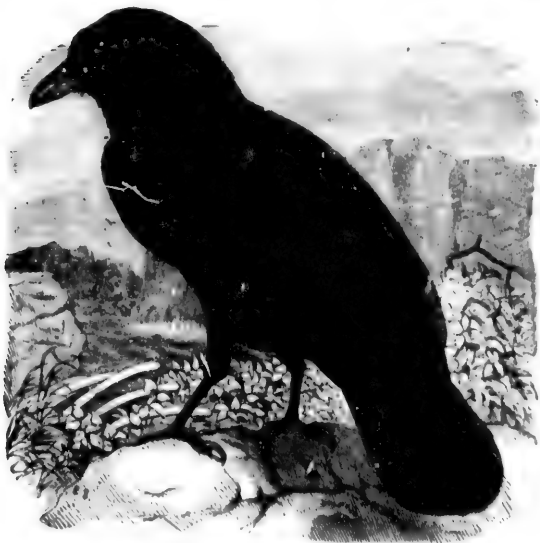
Plumage, black; wing, under 11.50; tarsus, under 2.10; bill, under 1.80.

Fish Crow.

Corvus ossifragus.

See No. 368.

Group 6. Wing, over 15 inches long.



Raven.

General plumage, black.

Raven.

Corvus corax principalis.

See No. 365.

FAMILY ICTERIDÆ.

BLACKBIRDS, ORIOLES, MEADOW LARKS, ETC.

GROUP 1. Wing, less than 3.75 inches long. See page 214.

Section 1. Underparts, more or less marked with yellow, orange, or chestnut brown.
See page 214.

Section 2. Underparts, black or heavily streaked with black or dark brown. See page 35.

GROUP 2. Wing, 3.75 to 4.25 inches long. See page 216.

Section 1. Underparts, more or less yellow. See page 217.

Section 2. No yellow on underparts. See page 218.

GROUP 3. Wing, 4.25 to 4.75 inches long. See page 219.

GROUP 4. Wing, 4.75 to 5.50 inches long. See page 222.

GROUP 5. Wing, 5.50 to 6.50 inches long. See page 224.

GROUP 6. Wing, over 6.50 inches long. See page 225.

FAMILY ICTERIDÆ.

Blackbirds, Orioles, Meadow Larks, etc.

First primary, not short; base of bill slightly dividing the feathers of the forehead; nostrils, exposed; outer tail feathers, shorter than middle feathers.

Group 1. Wing, less than 3.75 inches long.

Section 1. The following species have the underparts more or less marked with either yellow, orange, or chestnut brown.

Head and throat, black; underparts, **orange yellow**; back, black.

Baltimore Oriole.

Icterus galbula (male).

See No. 379.

Head, more or less marked with black; back, blackish; underparts, orange, paler than the male.

Baltimore Oriole.

Icterus galbula (female).

See No. 379.

Crown and back, dull olive, faintly tinged with yellow on rump; underparts, pale yellow, usually with faint orange tinge; **wing, over 3.45.**

Baltimore Oriole.

Icterus galbula (immature).

See No. 379.



Orchard Oriole.

Head and back, black; rest of underparts, chestnut brown.

Orchard Oriole.

Icterus spurius (male).

See No. 378.

Crown and back, **greenish**, without stripes; underparts, yellow (not orange); **wing, under 3.45.**

Orchard Oriole.

Icterus spurius (female).

See No. 378.

Crown, with yellow buff in centre, bordered by black; back, streaked with black; underparts, pale yellow, tinged with buff; tail feathers, pointed.

Bobolink. Rice Bird.

Dolichonyx oryzivorus (female).

See No. 370.

Section 2. The following species have the underparts black, or heavily streaked with black, or dark brown.



Underparts, black, often showing more or less whitish on tips of feathers; head, black; back of neck, tawny, or tawny white; back, black, shading into gray and white on rump and upper tail coverts.

Bobolink.

Rice Bird.

Dolichonyx oryzivorus (male).

See No. 370.

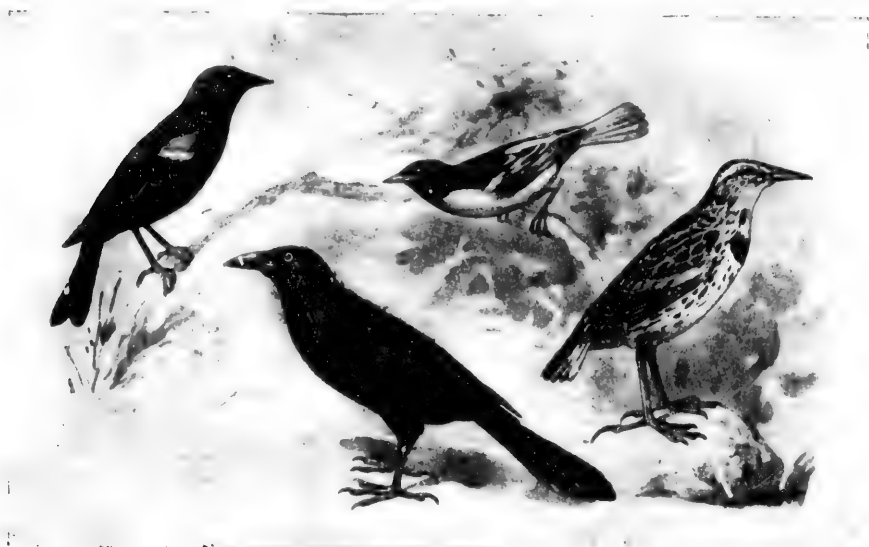


Underparts, whitish or buffy, streaked with black.

Red-winged Blackbird.

Agelaius phoeniceus, and races (female).

See No. 373.

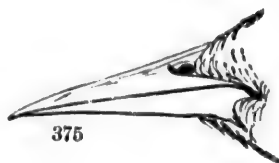
Group 2. Wing, 3.75 to 4.25 inches long.**First primary, never less than three fourths as long as third.**

Blackbird.

Grackle, or Crow Blackbird.

Oriole.

Meadow Lark.



Section 1. The following species have underparts with more or less yellow.



Head and back, black; throat, black; rest of underparts, orange.

Baltimore Oriole.

Icterus galbula (male).

See No. 379.

Head and back, brownish black; throat, black; rest of underparts, paler than the male.

Baltimore Oriole.

Icterus galbula (female).

See No. 379.

Upper plumage, dull brownish olive; rump, yellowish olive; entire underparts, yellowish white or pale buffy yellow, faintly tinged with orange.

Baltimore Oriole.

Icterus galbula (immature).

See No. 379.



Underparts, pale buff yellow or tawny yellow; whitish on chin; sides, streaked with black; crown, blackish, with tawny stripe in centre; back, streaked; tail feathers, very pointed.

Bobolink.

Dolichonyx oryzivorus (female).

See No. 370.

Throat and underparts, yellow; breast, with more or less black; crown brownish black, with buff white stripe in centre.

Meadow Lark.

Sturnella magna.

See No. 370.

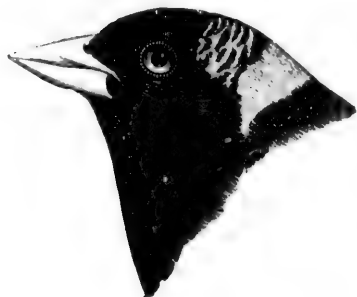
Section 2. The following species have no yellow on the underparts.

Underparts, heavily streaked with black; throat, tinged with tawny.

Red-winged Blackbird.

Agelaius phoeniceus (female).

See No. 373.

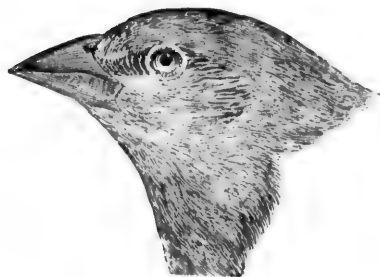


Underparts, black, generally with more or less feathers tipped with dull white; crown, black; back of the neck, tawny; tail feathers, very pointed.

Bobolink.

Dolichonyx oryzivorus.

See No. 270.



Head and throat, brown; rest of plumage, glossy greenish black.

Cow Bird.

Molothrus ater (male).

See No. 371.

Underparts, brownish gray; upper parts, pale grayish brown.

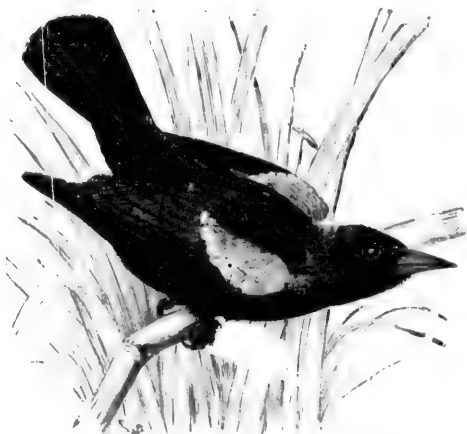
Cow Bird.

Molothrus ater (female).

See No. 371.

Group 3. Wing, 4.25 to 4.75 inches long.

First primary, never less than three fourths as long as third.



General plumage, black: a patch of scarlet on the shoulder.

Red-winged Blackbird.

Agelaius phoeniceus (male), and races.

See No. 373.



General plumage, black; **no red shoulder patch**; head, not tinged with purple.

Rusty Blackbird.

Scolecophagus carolinus.

See No. 381.

General plumage, black, glossed on the head with **purplish** or violet black, and back and underparts, **tinged with metallic green**; no red on shoulder.

Brewer's Blackbird.

Scolecophagus cyanocephalus (male).

See No. 382.

General plumage, black, tinged with brown on the crown and back; the feathers on the underparts, tipped with rusty brown; underparts, not streaked; no red on shoulder.

Rusty Blackbird.

Scolecophagus carolinus (immature).

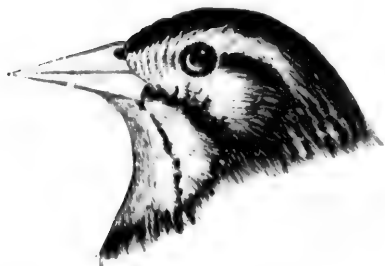
See No. 381.

General plumage, black, more or less streaked and marked with brown, buff, and dull white; lesser wing coverts (shoulder), dull red.

Red-winged Blackbird.

Agelaius phoeniceus (young male).

See No. 373.

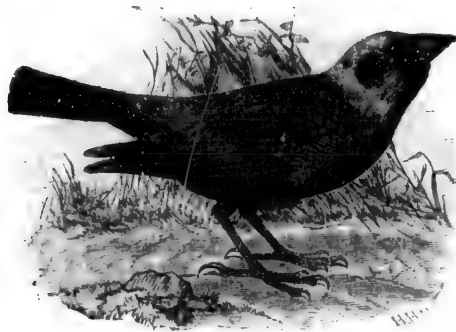


Underparts, streaked with black; no red patch on shoulder.

Red-winged Blackbird.

Agelaius phoeniceus (female), and races

See No. 373.



Head and breast, chocolate brown; rest of plumage, glossy black.

Cow Bird.

Molothrus ater (male).

See No. 371.

General plumage, gray ; palest on the throat.

Cow Bird.

Molothrus ater (female).

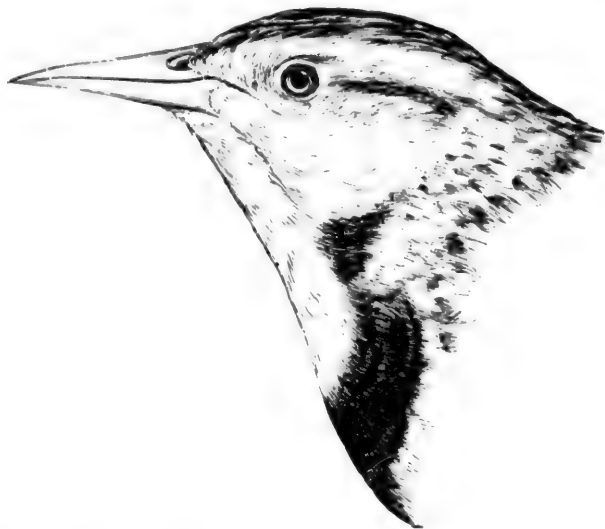
See No. 371.

Throat, yellow ; belly, black ; adult males have the entire head yellow ; females and immature birds have the crown often blackish.

Yellow-headed Blackbird.

Xanthocephalus xanthocephalus (female).

See No. 372.



Throat and belly, yellow ; breast, with more or less black.

Meadow Lark.

Sturnella magna

See No. 375.

General plumage, dark slate or brownish slate color ; underparts, inclining to plumbeous.

Rusty Blackbird.

Scolecophagus carolinus (female) (adult in summer)

See No. 381.

Group 4. Wing, 4.75 to 5.50 inches long.

First primary, not short; base of bill, dividing the feathers of the forehead; nostrils, exposed; outer tail feathers, shorter than middle feathers.



General plumage, metallic blue, green, purple, and bronze.

Crow Blackbird.
Purple Grackle.

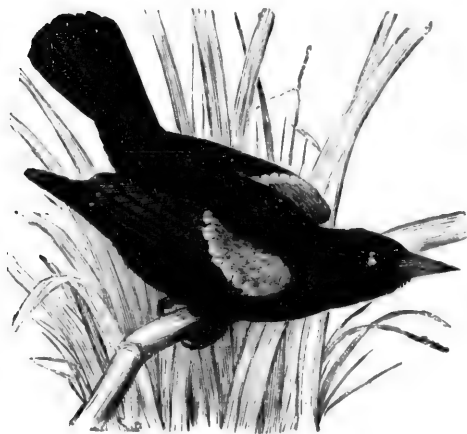
Quiscalus quiscula, and *races*
 See No. 383.



Upper plumage, dark brown, or blackish; crown, brown; underparts, brownish gray, shading to brownish white or buffy white on the throat.

Boat-tailed Grackle.

Quiscalus major (female)
 See No. 386.



General plumage, black; a patch of scarlet red on the shoulder.

Red-winged Blackbird.

Agelaius phoeniceus (adult male)
 See No. 373.

General plumage, black, more or less streaked and marked with buff, brown, and dull white; traces of **more or less red** on the shoulder (lesser wing coverts).

Red-winged Blackbird.

Agelaius phoeniceus, and races (immature).

See No. 373.



381

Adult birds entirely **dull black**; no red shoulder patch.

Immature birds have the upper parts more or less brown, and the feathers on the underparts, tipped with **rusty brown**.

Rusty Blackbird.

Scolecophagus carolinus (male, and immature).

See No. 381.

General plumage, dark slate or **brownish slate color**; underparts, **plumbeous slate color**.

Rusty Blackbird.

Scolecophagus carolinus (female, in summer).

See No. 381.

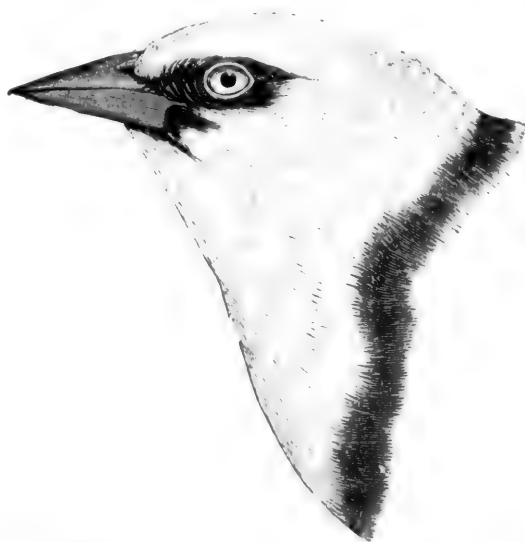
General plumage, black, glossed on the **head with purplish or violet black**; the back and underparts, tinged with metallic green; no red on shoulder.

Western species rare in Eastern United States.

Brewer's Blackbird.

Scolecophagus cyanocephalus (male).

See No. 382.

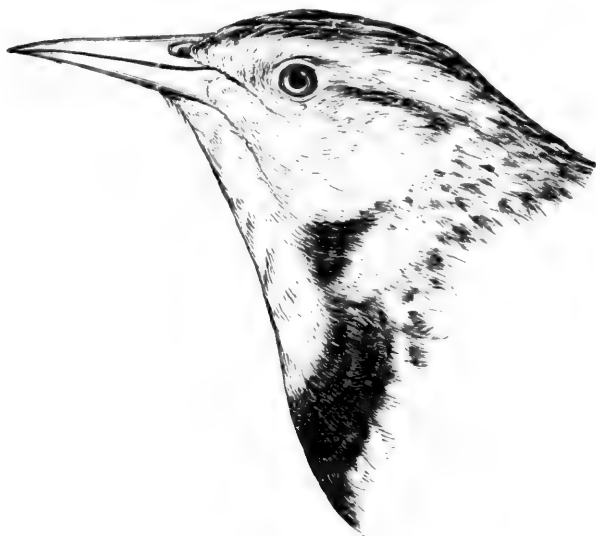


Throat, yellow; **belly, black**; amount of yellow on head varies according to age and season.

Yellow-headed Blackbird.

Xanthocephalus xanthocephalus (female).

See No. 372.



Throat and belly, yellow ; breast, with more or less black.

Meadow Lark.

Marsh Quail.

Sturnella magna, and races.

See No. 375.

Group 5. Wing, 5.50 to 6.50 inches long.



General plumage, black, showing metallic, reflections of blue green, purple, and bronze, when held in the light.

Purple Grackle.

Quiscalus quiscula, and races.

See No. 383.

Upper plumage, dark brown or blackish; crown, brown; underparts, brownish gray, shading to brownish white, or buffy white on the throat (female).

Boat-tailed Grackle.

Quiscalus major.

See No. 386.

Throat, yellow; **belly, black.**

Yellow-headed Blackbird.

Xanthocephalus xanthocephalus.

See No. 372.

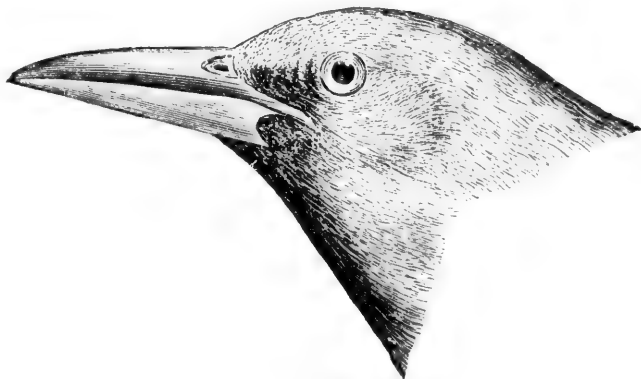
Throat, yellow; **belly, yellow.**

Meadow Lark.

Sturnella magna, and races

See No. 375.

Group 6. Wing, over 6.50 inches long.



Boat-tailed Grackle.

General plumage, black.

Boat-tailed Grackle.

Quiscalus major.

See No. 386.

FAMILY FRINGILLIDÆ.

SPARROWS, FINCHES, CROSSBILLS, BUNTINGS, ETC.

GROUP 1. Wing, 1.75 to 2.13 inches long. See page 228.

GROUP 2. Wing, 2.13 to 2.37 inches long. See page 230.

Part 1. Breast, more or less streaked; carpal joint, edged with yellow. See page 230.

Part 2. Breast, more or less streaked; carpal joint, not yellow. See page 231.

Part 3. Breast, not streaked; carpal joint, edged with yellow. See page 231.

Part 4. Breast, not streaked; carpal joint, not edged with yellow. See page 232.

GROUP 3. Wing, 2.37 to 2.75 inches long. See page 233.

Part 1. Throat or underparts, more or less blue, red, dull green, or bright yellow.
See page 233.

Part 2. Throat or underparts, not marked with red, blue, yellow, or green; breast, distinctly streaked; carpal joint, edged with yellow. See page 234.

Part 3. Underparts, not marked with red, blue, yellow, or green; breast, distinctly streaked; carpal joint, not edged with yellow. See page 236.

Part 4. Underparts, not marked with red, blue, yellow, or green; breast, not streaked; bend of wing (carpal joint), edged with yellow. See page 237.

Part 5. Underparts, not marked with red, blue, yellow, or green; the breast, not distinctly streaked, and no yellow on bend of wing. See page 238.

GROUP 4. Wing, 2.75 to 3.25 inches long. See page 239.

Part 1. Throat or underparts, more or less red, blue, green, or yellow. See page 239.

Part 2. No blue, red, green, or yellow on the underparts; more or less of throat, black (sometimes only the chin); breast and sides, not distinctly streaked. See page 243.

Part 3. No blue, red, green, or yellow on the underparts; throat or chin, not black; breast or sides, not distinctly streaked; tail feathers, marked with more or less white. See page 244.

Part 4. No blue, red, green, or yellow on the underparts; throat or chin, not black; breast or sides, not distinctly streaked; no white on tail feathers. See page 245.

Part 5. No red, blue, green, or yellow on the underparts; throat, more or less (sometimes only the chin) black; breast or sides, distinctly streaked. See page 247.

Part 6. No red, blue, green, or yellow on the underparts; throat or chin, not black; breast, distinctly streaked or spotted. See page 248.

GROUP 5. Wing, 3.25 to 3.75 inches long. See page 251.

Part 1. More or less of either red, blue, yellow, or green on the underparts. See page 251.

Part 2. No red, blue, yellow, or green on the underparts. See page 254.

GROUP 6. Wing, 3.75 to 4.25 inches long. See page 257.

Part 1. More or less red on the underparts. See page 257.

Part 2. More or less yellow, orange, or green on the underparts. See page 258.

Part 3. No red, yellow, orange, or green on the underparts. See page 259.

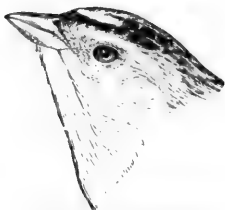
GROUP 7. Wing, 4.25 to 4.75 inches long. See page 261.

FAMILY FRINGILLIDÆ.

Sparrows, Finches, Crossbills, etc.

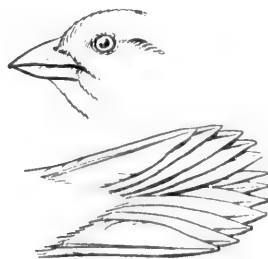
First primary, not short, never less than two thirds as long as second or third; bill, stout and conical; nostrils, high, near the culmen; primaries, 9; tarsus, flattened behind.

Group 1. Wing, 1.75 to 2.13 inches long.

*Ammodramus leconteii.*

Top of head, blackish, with tawny stripe in middle, and tawny stripe over each eye.

Leconte's Sparrow.
Ammodramus leconteii.
See No. 413.

*Ammodramus caudacutus.**(Coturniculus) henslowi.*



Top of head and nape, **pale olive green, mixed with black; no tawny stripe over eye.**

Henslow's Sparrow.

Ammodramus henslowii.

See No. 412.



Top of head, **brownish and slate color; a tawny stripe over each eye; no tawny stripe on middle of crown.**

Sharp-tailed Sparrow.

Sharp-tailed Finch.

Ammodramus caudacutus and races.

See No. 414.



Phompara bicolor.

Back and rump, olive green; throat or sides of neck, black (male), or gray (female). West Indian species, accidental on Florida Keys.

Black-faced Finch or Grassquit.

Euthetia bicolor.

See No. 449.

Back and rump, olive green; sides of neck, yellow (male), or throat, chestnut brown (female). West Indian species accidental on Florida Keys.

Cuban Finch, or Melodious Grassquit.

Euthetia canora.

See No. 450.

Group 2. Wing, 2.13 to 2.37 inches long.

Part 1. The following species have the breast more or less streaked; carpal joint (bend of wing), edged with yellow: —



Bill, dark; sides of head, tawny buff enclosing a patch of gray behind the eye; heavy tawny buff superciliary stripe.

Sharp-tailed Sparrow.

Ammodramus caudatus, and varieties.

See No. 414.



Ammodramus maritimus.

Bill, dark; a small spot of yellow in front of the eye; no tawny superciliary stripe.

Sea-side Sparrow.

Ammodramus maritimus, and varieties.

See No. 417.

Bill, dark; back, black; underparts, white, streaked sharply with **black**.
Occurs in Eastern Florida only.

Dusky Sea-side Sparrow.

Ammodramus nigrescens.

See No. 419.



Bill, pale horn color; sides of head and nape, tinged with olive green.

Henslow's Sparrow.

Ammodramus henslowii.

See No. 412.

Part 2. The following species have the breast more or less streaked; carpal joint (bend of wing), not yellow:—



Melospiza georgiana.

Breast, very faintly streaked; middle tail feathers, rufous brown, with black stripe in middle, including the shaft; wing coverts and secondaries, edged with rufous brown.

Swamp Sparrow.

Melospiza georgiana.

See No. 438.



Melospiza lincolni.

Breast, **sharply** streaked with black; shafts of tail feathers, not black.

Lincoln's Sparrow.

Melospiza lincolni.

See No. 437.

Part 3. The following species have the breast not streaked (in the adult*); carpal joint (bend of wing), edged with yellow:—

Top of head, black with tawny stripe in centre; an orange brown spot over, and somewhat in front of, the eye.

Yellow-winged Sparrow.

Grasshopper Sparrow.

Ammodramus savannarum passerinus.

See No. 411.

* In several species, very young birds in first plumage have the breast streaked.



Top of head and back, chestnut and black ;
sides, sometimes with black spots. Occurs
only as far as known in Florida and Southern
Georgia.

Pine-woods Sparrow.

Peucaea aestivalis.

See No. 434.

Top of head and back, rufous brown with more or less gray on feathers; sides,
without spots.

Bachman's Sparrow.

Peucaea aestivalis bachmanii.

See No. 435.

**Part 4. The following species have the breast not streaked (in the
adult); carpal joint (bend of wing), not edged with yellow : —**



Wing coverts and secondaries, edged with rufous
brown; flanks, brownish olive.

Swamp Sparrow.

Melospiza georgiana.

See No. 438.



Wing coverts and secondaries, edged with pale tawny
buff; tail feathers, brown, narrowly edged with
brownish white; flanks, pale buffy white.

Field Sparrow.

Spizella pallida.

See No. 426.

Spizella pallida.

Group 3. Wing, 2.37 to 2.75 inches long.



Part 1. The following species have the throat or underparts more or less marked with either blue, red, dull green, or bright yellow:—



Underparts, **entirely yellow** (male), or throat, yellow; underparts, dull olive gray (female); wings and tail, black, marked with white; yellow on underparts varies much, according to age and season.

Yellowbird.
American Goldfinch.
Spinus tristis.

See No. 400.

Underparts, bright red, or tinged with red; back, green; crown, blue.

Nonpareil Painted Bunting.
Passerina ciris (male).
See No. 448.

Underparts, greenish; back, green.

Painted Bunting.
Passerina ciris (female).
See No. 448.



Underparts, blue; general plumage, blue; wings and tail, black, edged with blue.

**Indigo Bird.
Indigo Bunting.**

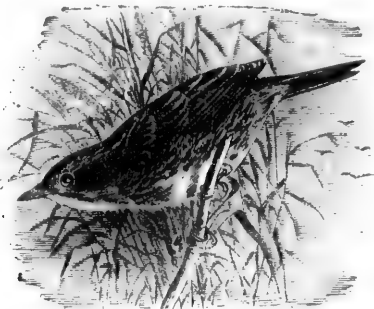
Passerina cyanea (male).
See No. 446.

Underparts, more or less blotched with blue.

Indigo Bird.

Passerina cyanea (immature).
See No. 446.

Part 2. The following species have the underparts not marked with red, blue, yellow, or green; breast, distinctly streaked; carpal joint (bend of wing), edged with yellow:—



Breast and flanks, tawny; a tawny stripe over the eye; outer tail feathers, decidedly shorter than middle ones.

Sharp-tailed Sparrow.

Ammodramus caudatus, and varieties.
See No. 414.

Breast, white, heavily streaked with black; back, black, the feathers edged with olive and gray; outer tail feathers, shortest. Occurs only in Florida.

Dusky Seaside Sparrow.

Ammodramus nigrescens.
See No. 419.

Breast and flanks, grayish (sometimes faintly tinged with buff); a small yellow spot in front of the eye; **no tawny stripe over the eye; rump, grayish olive; undertail coverts, not white;** outer tail feathers, shortest.

Seaside Sparrow.

Ammodramus maritimus, and varieties.

See No. 417.



Seaside Sparrow.

Breast and flanks, white streaked with brown; a yellow spot in front of eye (absent in some plumages); rump, pale brown, marked with dark brown; outer tail feathers, not shorter than middle ones; **under tail coverts, white.**

Savanna Sparrow.

Ammodramus sandwichensis savanna.

See No. 410.

Part 3. The following species have the underparts not marked with red, blue, yellow, or green; breast, distinctly streaked; carpal joint (bend of wing), not edged with yellow:—



Forehead, reddish brown; crown, brown, with imperfect gray streak in middle, and blackish dots; no yellow in front of eye; **breast, white**, heavily streaked with dark brown; outer tail feathers, shortest.

Song Sparrow.

Melospiza fasciata.

See No. 436.



Crown, brown, streaked with black; **breast, buff, streaked with black**; back, streaked; outer tail feathers, shortest.

Lincoln's Sparrow.

Melospiza lincolni.

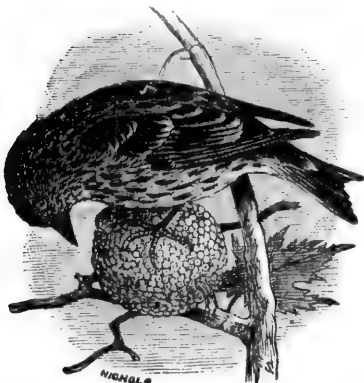
See No. 437.

Crown, black, streaked with pale brown; a yellow spot in front of eye (wanting in some plumages); breast, **white, streaked with dark brown**; back, streaked; outer tail feathers, not shorter than middle ones.

Savanna Sparrow.

Ammodramus sandwichensis savanna.

See No. 410.



Wings and tail, dark brown, more or less margined with yellow; the bases of the feathers, pale yellow; **underparts, heavily streaked** with brownish black; crown and back, brownish olive, heavily streaked with black.

Pine Finch.

Spinus pinus.

See No. 402.

Crown and back, brown without streaks; underparts, pale buff brown, faintly streaked on breast and sides.

Indigo Bunting.

Passerina cyanea (female).

See No. 446.

Part 4. The following species have the underparts not marked with red, blue, yellow, or green, and the breast not distinctly streaked, but have the carpal joint (bend of wing), edged with yellow: —

Crown, black, with pale tawny buff stripe on middle; ear coverts, tawny buff; middle back, blackish; feathers, edged with buff; **tail feathers, very pointed;** tail, less than 2.25 long.

Grasshopper Sparrow.

Yellow-winged Sparrow.

Ammodramus sarranarum passerinus.

See No. 411.



Crown, grayish, without tawny stripe in middle; ear coverts, gray; back, olive and gray; a distinct superciliary stripe of buff or yellowish.

Sharp-tailed Sparrow.

Ammodramus caudacutus, and races.

See No. 414.



Crown and back, rufous brown, the feathers, more or less marked with black, and edged with gray; **not tawny stripe on middle of crown;** tail feathers, not pointed; tail, over 2.25 long.

Pine-woods Sparrow.

Peucaea aestivalis, and races.

See No. 434.

Part 5. The following species have the underparts not marked with red, blue, yellow, or green; the breast, not distinctly streaked, and no yellow on the carpus (bend of the wing): —

Crown and back, the same color, brown without streaks.

Indigo Bunting.

Passerina cyanea (female).

See No. 446.

Crown and back, bright olive green, without streaks.

Painted Bunting.

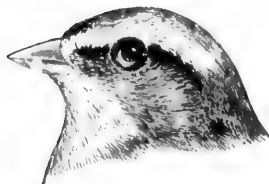
Passerina ciris (female).

See No. 448.

Back, streaked with black; rump, olive brown, streaked with black; wing coverts and secondaries, broadly edged with rufous brown; sides of body, clear olive brown; middle of belly, whitish.

Swamp Sparrow.

Melospiza georgiana.



Bill, black or dark brown; back, streaked with black; rump, slate gray; adult birds have the crown rufous.

Chipping Sparrow.

Spizella socialis.

See No. 425.



Bill, reddish brown; crown and back, rufous brown; back, streaked with black; rump, pale grayish brown.

Field Sparrow.

Spizella pusilla.

See No. 428.



Bill, pale brown (not reddish brown); underparts, dull white (not grayish on sides as in *socialis*); crown and back, pale grayish brown, streaked with black; rump, grayish brown (not slate gray as in *socialis*).

Clay-colored Sparrow.

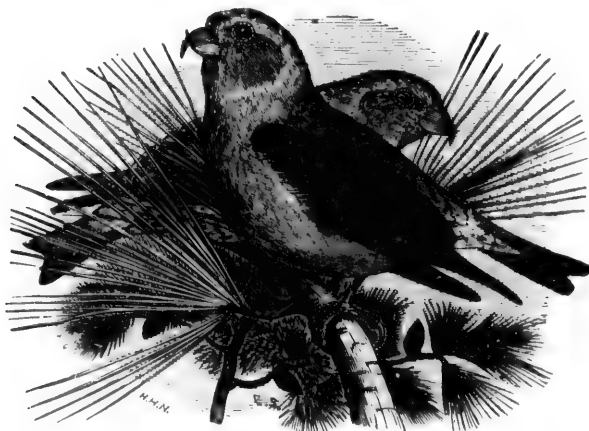
Spizella pallida.

See No. 426.

Group 4. Wing, 2.75 to 3.25 inches long.



Part 1. The following species have the throat, or underparts, more or less red, blue, green or yellow: —



Mandibles, crossed; general plumage, dull red; wings, brownish: no white on wings (male).

American Crossbill.
Loxia curvirostra minor.
 See No. 392.

Mandibles, crossed; **no white on wings**; underparts, greenish.

American Crossbill.

Loxia curvirostra minor (female).

See No. 392.

Mandibles, crossed; more or less red on underparts, head, and back; **wing bars, white.**

White-winged Crossbill.

Loxia leucoptera (male).

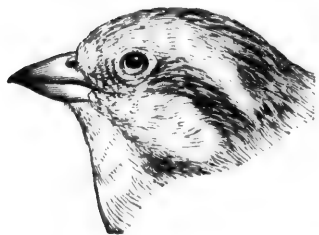
See No. 393.

Mandibles, crossed; **wing bars, white**; underparts, greenish.

White-winged Crossbill.

Loxia leucoptera (female).

See No. 393.

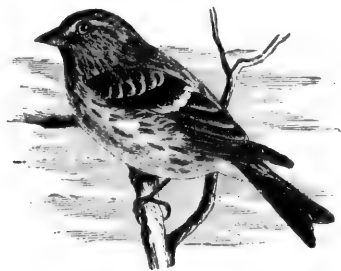


Mandibles, not crossed; **breast and crown, rose red**; back, brown, tinged with red; **chin, not black.**

Purple Finch.

Carpodacus purpureus (male).

See No. 389.



Mandibles, not crossed; **chin, blackish**; breast, rose red; front crown, metallic red; **rump, streaked.**

Red-poll.

Acanthis linaria, and races.

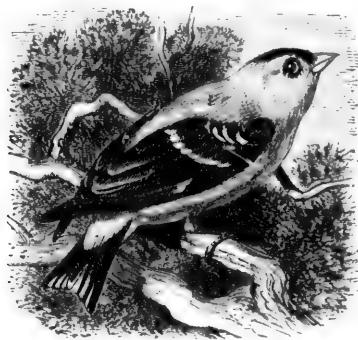
See No. 396.

Mandibles, not crossed; chin, blackish; underpart, whitish, with faint tinge of pink on breast; rump, white, without streaks, sometimes tinged with rose color.

Greenland Red-poll.

Acanthis hornemannii, and races.

See No. 394.



Mandibles, not crossed; **underparts, yellow; back, yellow;** wings and tail, black, marked with white.

**American Goldfinch.
Yellowbird.**

Spinus tristis (male).

See No. 400.

Mandibles, not crossed; throat, yellow; rest of underparts, grayish olive; tail and wings, black, marked with white.

**American Goldfinch.
Yellowbird.**

Spinus tristis (female).

See No. 400.



Mandibles, not crossed; chin, white; throat, black; breast, yellow; belly, white; back, streaked with black; shoulder, chestnut.

**Dickcissel.
Black-throated Bunting.**

Spiza americana.

See No. 451.

Mandibles, not crossed; underparts, red; crown and sides of head, blue; back, green.

Nonpareil.

Painted Bunting.

Passerina ciris (male).

See No. 448.

Mandibles, not crossed; underparts, tinged with red; upper parts, bright olive green; no white on wings or tail.

Painted Bunting.

Passerina ciris (young male).

See No. 448.

Mandibles, not crossed; underparts, greenish yellow; upper plumage, bright olive green; no white on wings or tail.

Painted Bunting.

Passerina ciris (female).

See No. 448.



Mandibles, not crossed; **general plumage, blue,**
with black wings and tail, edged with blue.

Indigo Bunting.

Indigo Bird.

Passerina cyanea (adult male).

See No. 446.

Mandibles, not crossed; general plumage, brownish, blotched with blue.

Indigo Bunting.

Indigo Bird.

Passerina cyanea (young male).

See No. 446.

Part 2. The following species have no red, blue, green, or yellow on the underparts; more or less of the throat, black (sometimes only the chin); breast and sides, not distinctly streaked: —

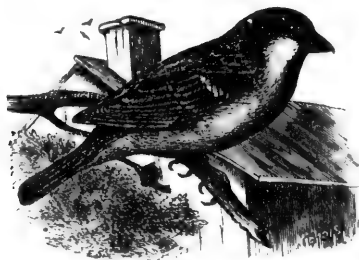


Head, back, throat, and upper breast, black; sides of body, rufous brown; wings and tail, black, marked with white; bill, dark.

Towhee Bunting.

Pipilo erythrophthalmus (male), and races.

See No. 440.



Throat, black; crown, gray; malar region, white; occiput, chestnut brown; rump, olive gray; bill, black.

English Sparrow.

Passer domesticus (male).

See No. 390.

Chin, black; throat, white, slightly tinged with tawny; rest of underparts, white; crown, fiery red; rump, white, not streaked.

Greenland Red-poll.

Acanthis hornemannii.

See No. 394.



Throat, smoky gray; belly, white; back and rump, grayish brown; bill, pale; **outer tail feather, entirely white.**

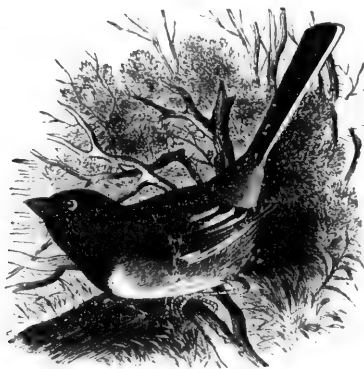
Snow Bird.

Junco.

Junco hyemalis.

See No. 430.

Part 3. The following species have no red, blue, green, or yellow, on the underparts; throat or chin, not black; and the breast or sides, not distinctly streaked; tail feathers, marked with more or less white:—



Throat, grayish brown; sides of body, deep rufous brown; back, not streaked; belly, white; bill, black.

Towhee.

Towhee Bunting.

Pipilo erythrophthalmus.

See No. 440.



Throat, gray; belly, white; back and rump, grayish brown; **back, not streaked.**

Snow Bird.

Junco.

Junco hyemalis, and races.

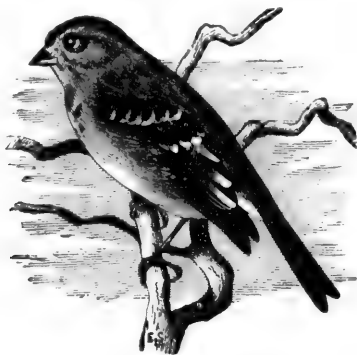
See No. 430.

Throat, white; crown, brown, with whitish stripe through middle: **back, streaked; tail feathers, broadly tipped with white.**

Lark Finch.

Chondestes grammacus.

See No. 420.



Throat, ashy white; belly, white, tinged with pale buff on sides; crown, bright rufous; tail feathers, very narrowly edged with white; upper mandible, blackish; lower mandible, pale yellowish white, with dark tip; back, streaked.

Tree Sparrow.

Spizella monticola.

See No. 424.

Throat and underparts, pale buffy white or ashy white; crown and back, dull brown; back, streaked with blackish; tail, very narrowly edged with buffy white; bill, reddish brown; rump, brownish.

Field Sparrow.

Spizella pusilla.

See No. 428.

Throat, white; crown, rufous; a white stripe over the eye; outer tail feather, very narrowly edged with whitish on inner web; bill, black; back, streaked; rump, slaty gray.

Chipping Sparrow.

Spizella socialis.

See No. 425.

Part 4. The following species have no red, blue, green, or yellow on the underparts; throat or chin, not black, and the breast or sides, not distinctly streaked; no white on the tail feathers:—

Crown, green, like back; throat and underparts, pale buff; back, green, without streaks.

Nonpareil.

Painted Bunting.

Passerina ciris (immature).

See No. 448.

Crown, brown, like back; throat and underparts, pale brown; whitish on belly; breast, usually with indistinct streaks; back, brown, without streaks.

Indigo Bird.

Indigo Bunting.

Passerina cyanea (female).

See No. 446.

Crown, black, with white stripe in centre; stripe over eye, white; usually more or less yellow in front of eye; throat, white; breast, grayish; carpal joint (bend of wing), pale yellow; back, streaked.

White-throated Sparrow.

Zonotrichia albicollis.

See No. 423.



Crown, black, with white stripe in centre; no distinct white patch on throat; carpal joint (bend of wing), not yellow; back, streaked.

White-crowned Sparrow

Zonotrichia leucophrys.

See No. 422.

Crown, brown, with grayish brown centre; nape, gray; bill, reddish brown; back, streaked; wing coverts, tipped with white.

White-crowned Sparrow.

Zonotrichia leucophrys (immature).

See No. 422.

Crown, light chestnut brown (streaked with black in young birds); rump, slaty gray; bill, black; back, streaked. Young birds in fall have the bill brownish.

Chipping Sparrow.

Spizella socialis.

See No. 425.

Crown, rufous brown; rump, pale olive brown; upper mandible, black; under mandible, pale, with dark tip; back, streaked.

Tree Sparrow.

Spizella monticola.

See No. 424.



**Crown, pale chestnut brown ; rump, olive brown ;
bill, reddish brown ; back, streaked.**

Field Sparrow.

Spizella pusilla, and races.

See No. 428.

Part 5. The following species have no red, blue, green, or yellow on the underparts ; throat, more or less (sometimes only chin) black, and the breast or sides distinctly streaked :—



**A black spot on the chin ; crown, with more or less metallic red ; rump, streaked ;
bill, yellowish, with dark tip. Common on Atlantic coast.**

Red-poll.

Acanthis linaria, and races.

See No. 396.

**A black spot on the chin ; crown, with more or less metallic red ; rump, white,
usually without streaks ; bill, yellowish, with dark tip ; plumage, much whiter
than *linaria*. Rarely occurs south of Labrador.**

Greenland Red-poll.

Acanthis hornemannii, and races.

See No. 394.

Part 6. The following species have no red, blue, green, or yellow on the underparts; throat or chin, not black, and the breast, distinctly streaked or spotted:—



Crown feathers, blackish, narrowly edged with light brown; an imperfect buff white line through centre of crown; tail, usually under 2.20; wing, usually under 2.90 (more or less yellow over and in front of eye in some plumages); outer tail feathers, not shorter than middle ones; a black streak on sides of upper throat; back, streaked; **breast, streaked with dark brown;** outer web of outer tail feather, edged with dull white.

Savanna Sparrow.

Ammodramus sandwicensis savanna.

See No. 410.

Rump and upper surface of tail feathers, rufous brown.

Fox Sparrow.

Passerella iliaca.

See No. 439.

Wing, usually over 2.90; tail, usually over 2.20; **breast, streaked with pale brown; crown feathers, with small black centres edged with buff and gray;** outer tail feathers, not shorter than middle ones; no black streak on sides of upper throat; back, pale brown, tinged with gray and more or less streaked; very little or **no white on outer tail feathers,**

Ipswich Sparrow.

Ammodramus princeps.

See No. 409.

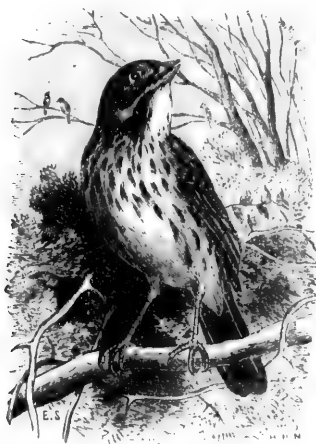


Bill, large; depth of bill at base, about equal to length of culmen; **crown and back, brownish olive, streaked with blackish**; throat, streaked dark olive brown, not black; outer tail feathers, not shorter than middle ones.

Purple Finch.

Carpodacus purpureus (female)

See No. 389.



Outer tail feathers, decidedly shorter than middle ones; crown, dull rufous brown, streaked with black and showing a grayish stripe in the centre; underparts, white; the breast, heavily streaked with black; carpal joint, not edged with yellow; outer tail feathers, not half white (the breast and sides, often faintly tinged with tawny and black striping on breast, often mixed with more or less rufous brown); back, streaked.

Song Sparrow.

Melospiza fasciata.

See No. 436.



Shoulder (lesser wing coverts), **rufous brown**; at **least half** of **outer tail feathers, white**; back, streaked.

Vesper Sparrow.

Poocates gramineus.

See No. 408.

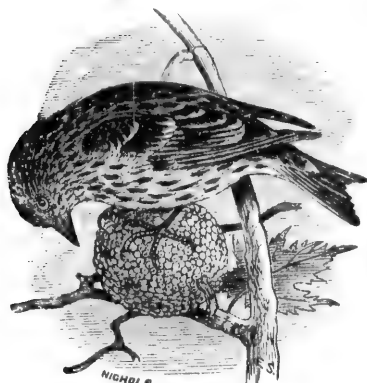


Back, tinged with rufous brown, and streaked with black; **carpal joint** (bend of wing), **edged with pale yellow**; tail, over 2.50; usually an indication of yellow in front of the eye; no white on tail feathers.

White-throated Sparrow.

Zonotrichia albicollis.

See No. 423.



Pine Finch.

Bill, sharp; tail, under 2 inches; **entire upper plumage, olive buff, streaked with black**; under plumage, buffy white, or ashy white, heavily streaked with black; **more or less yellow on edge and base of wing feathers, and base of tail feathers.**

Pine Siskin. Pine Finch.

Spinus pinus.

See No. 402.

Crown and back, dull brown, without streaks; underparts, brownish, whitish on belly; breast streaks, not very pronounced, often indistinct (female).

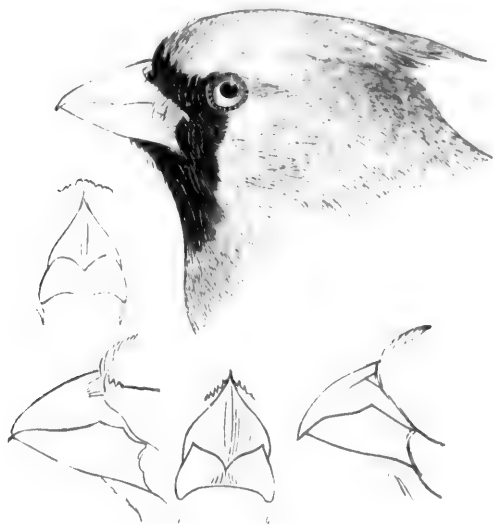
Indigo Bird. Indigo Bunting.

Passerina cyanea.

See No. 446.

Group 5. Wing, 3.25 to 3.75 inches long.

Part 1. The following species have more or less of either red, blue, yellow, or green on the underparts*: —



General plumage, red; crown and underparts, bright red; **crown, with crest; throat, black; wings, not black** (male).

Cardinal Grosbeak.
Cardinalis cardinalis.
See No. 442.



General plumage, red; back, streaked; belly, whitish (male).



389

Purple Finch.
Carpodacus purpureus.
See No. 389.

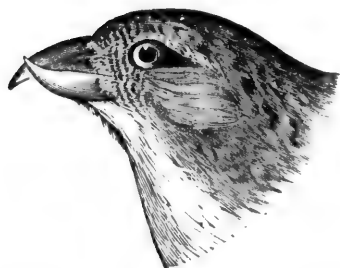
* If bird is red or olive green, with wing measuring between 3.35 and 4 inches long (carpus to tip), and cannot be found in this section, see Family Tanagridæ. The bill of a Tanager somewhat resembles that of a Finch.

Crown, rump, and underparts, rose red; **more or less white on wing; mandibles, crossed.**

White-winged Crossbill.

Loxia leucoptera (male).

See No. 393.



Crown, rump, and greater part of under plumage, dull red; **no white on the wing; mandibles, crossed.**

American Crossbill.

Loxia curvirostra minor (male).

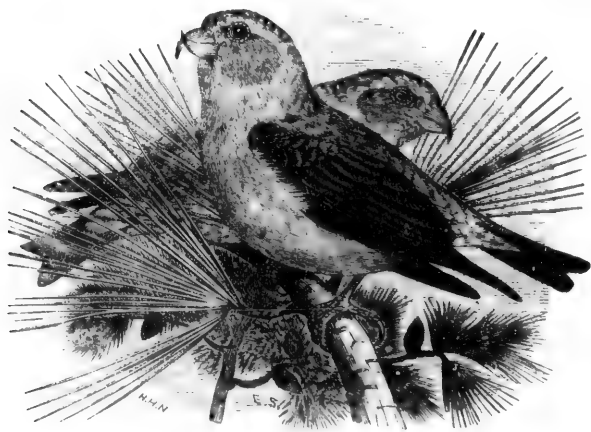
See No. 392.

Wings, with more or less white; general plumage, grayish olive, or olive green, more or less strongly tinged with yellowish green on rump; mandibles, crossed.

White-winged Crossbill.

Loxia leucoptera (female).

See No. 392.



Underparts, tinged with green, or olive green; yellowish green on rump; **no white on wings; mandibles, crossed.**

American Crossbill.

Loxia curvirostra minor (female).

See No. 392.



Crown, olive gray; chin, white; throat, black; breast, yellow; belly, white; shoulder (wing coverts), chestnut brown; back, streaked with black; more or less yellow over the eye.

Black-throated Bunting.
Dickcissel.

Spiza americana.

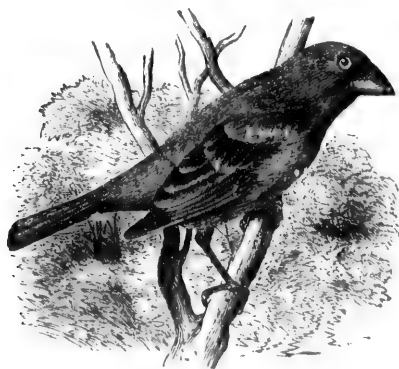
See No. 451.

Underparts, dull buffy yellow; more or less black streaks on sides; crown, blackish, with tawny buff stripe through centre; back, heavily streaked with black; **tail feathers, very pointed.** (This bird belongs in Section 8, as it is not a Tanager or a Finch, but the bill might appear Fringilline to beginners.)

Bobolink.

Dolichonyx oryzivorus (female).

See No. 370.



General plumage, more or less **blue.**

Blue Grosbeak.

Guiraca caerulea.

See No. 445.

Underparts, brownish white, **tinged with blue on the breast;** head, rump, and lesser wing coverts, usually tinged with blue.

Blue Grosbeak.

Guiraca caerulea (female).

See No. 445.

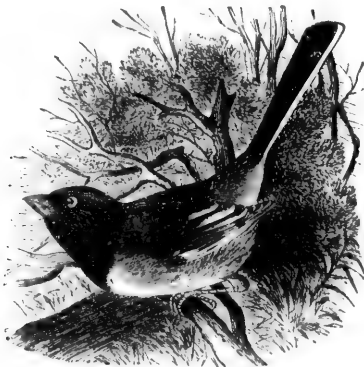
Part 2. The following species have no red, blue, yellow, or green on the underparts:—

Underparts, brownish white; **crown and back, brownish gray, usually tinged with more or less blue** on the head, rump, and lesser wing coverts; **middle wing coverts, edged with rufous brown.**

Blue Grosbeak.

Guiraca caerulea (immature).

See No. 445.



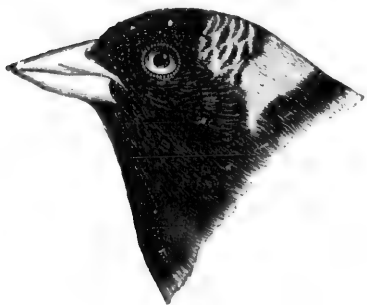
Towhee Bunting.

Crown and back, black; throat, black; sides of body, rufous brown; belly, white.

Towhee Bunting.

Pipilo erythrophthalmus (male).

See No. 440.



Head and entire underparts, black; a tawny white patch on the back of the neck; back, black; rump, whitish. (This species belongs in the family Icteridae (see Section 8), but to the uninitiated the bill has a slight resemblance to birds in this class.)

Bobolink.

Dolichonyx oryzivorus.

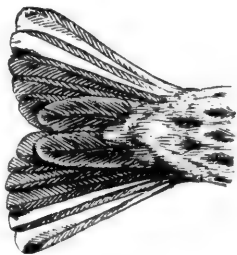
See No. 370.

Crown, black, mixed with buffy white; a nuchal collar (back of neck), chestnut; back, streaked; breast, more or less marked with black; belly, white; hind toe nail, long.

Lapland Longspur.

Calcarius lapponicus.

See No. 404.

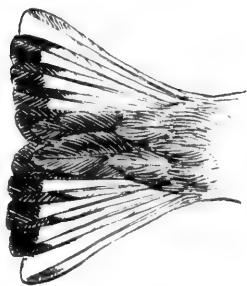


Top and sides of the head, black; ear coverts and superciliary stripe, white; back, streaked; **underparts, buff**; hind toe nail, long.

Smith's Longspur.

Calcarius pictus.

See No. 405.



Top of head, black; wing coverts, heavily marked with chestnut; **throat and belly, white**; a large patch of black on the breast; most of the tail feathers, white, tipped with dark brown.

McCown's Longspur.

Rhyuchophanes mccownii

See No. 407.



Crown, chestnut, with stripe of white in centre (male), or dull olive, streaked with blackish (female); back, streaked; underparts, white (pale brownish olive on sides of body); a short streak of dark brown or black on each side of white throat; tail feathers, tipped with white.

Lark Sparrow.

Lark Finch.

Chondestes grammacus.

See No. 420.

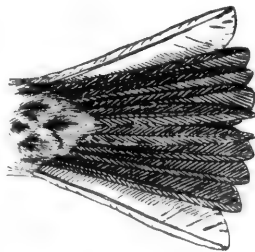
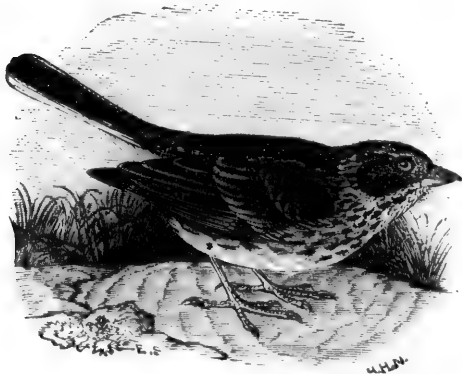


Crown, black, with white stripe in middle; underparts, ashy, shading to pale buff on the flanks; no white on tail feathers.

White-crowned Sparrow.

Zonotrichia leucophrys.

See No. 422.



Crown and back, grayish or buffy, streaked with black; shoulder (lesser wing coverts), rufous brown; breast, streaked; **greater part of outer tail feather, including outer web, white.**

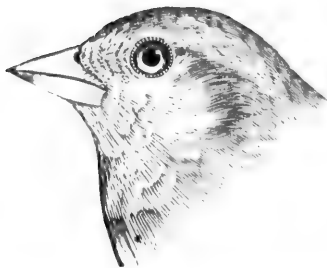
Vesper Sparrow.

Bay-winged Bunting.

Grass Finch.

Pooecetes gramineus.

See No. 408.



Crown and back, slaty brown, or dull rufous brown; rump, and upper surface of tail feathers, light rufous brown; underparts, white, heavily streaked and spotted on breast and sides with rufous brown.

Fox Sparrow.

Passerella iliaca.

See No. 439.

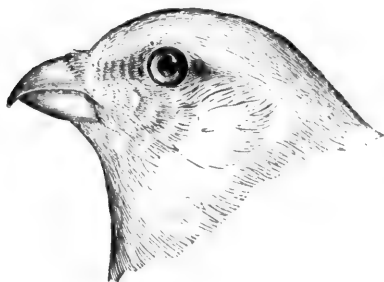
Crown and back, dark brown, with indistinct streaks; **no white on tail**; underparts, white, with numerous brown spots or streaks (female). **Purple Finch.**
Carpodacus purpureus.

Crown, with crest of red feathers; back, olive; underparts, tawny, shading to olive on the sides; **under surface of wing, red** (female). **Cardinal Grosbeak.**
Cardinalis cardinalis.
See No. 442.

Crown, with fiery red patch; a black spot on the chin; belly, white; **rump, white.** **Greenland Redpoll.**
Acanthis hornemannii.
See No. 394.

Group 6. Wing, 3.75 to 4.25 inches long.

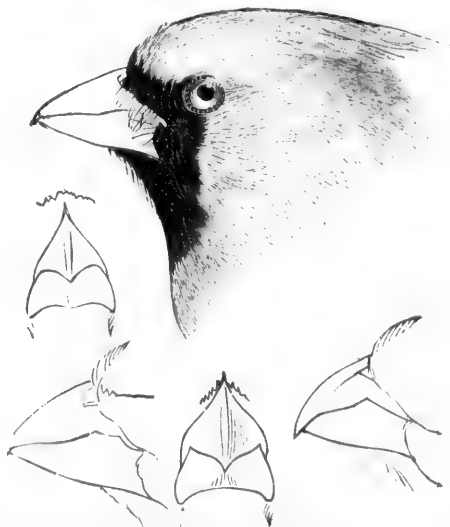
Part 1. The following species have more or less red on the underparts* : —



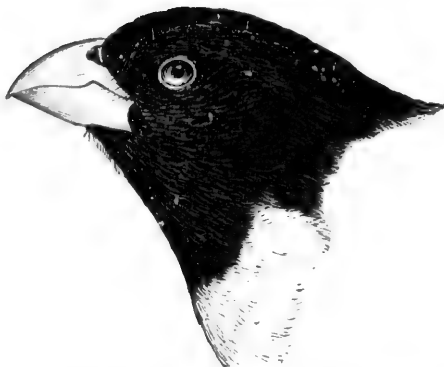
General plumage, rose red, usually mixed with more or less gray; wing coverts, edged with pinkish white. **Pine Grosbeak.**
Pinicola enucleator.
See No. 388.

Throat and base of bill, black; general plumage, red; **crown, with more or less of a crest**; wings and tail, not black (male).

Cardinal Grosbeak.
Cardinalis cardinalis.
See No. 442.



* If bird is red or olive green, with wing between 3.35 and 4 inches long (bend of wing to tip), see Family Tanagridæ. The bill of a Tanager somewhat resembles that of a Finch.



Head and back, **black**; breast and under wing coverts, **rose red**; belly, white (male).

Rose-breasted Grosbeak.

Habia ludoviciana.

See No. 443.

Part 2. The following species have more or less yellow, orange, or green on the underparts:—



Forehead, **yellow**; crown, **black**; rump, greenish yellow; **tertials, heavily marked with white**; underparts, dark olive yellow on belly (male).

Evening Grosbeak.

Coccothraustes vespertinus.

See No. 387.

Underparts, **gray**, faintly tinged with **greenish yellow**; back, **gray**, more or less tinged with green; wings and tail, **black**, **marked with white**.

Crown and sides of head and chin, **black**; underparts, **orange brown**, or pale orange chestnut; middle of belly and under wing coverts, bright yellow; wings and tail, **black**, marked with white (male).

Black-headed Grosbeak.

Habia melanocephala.

See No. 444.

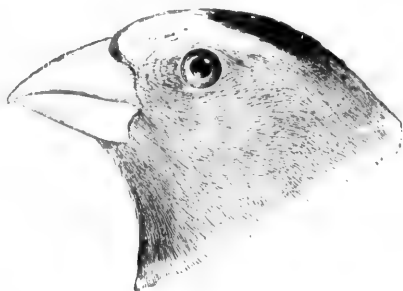
Underparts, pale tawny yellow, more or less streaked with black on sides of body; crown, **black**, with brownish buff stripe in centre; **tail feathers, sharp pointed**. [This species belongs in Family Icteridae, but might be looked for under this section (female).]

Bobolink.

Dolichonyx oryzivorus.

See No. 370.

Part 3. The following species have no red, yellow, orange, or green on the underparts:—

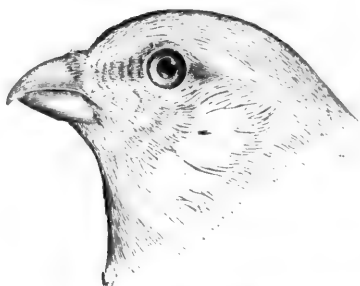


Underparts, gray; upper parts, gray, tinged with green; **wings and tail, black, heavily marked with white; bill, yellowish.**

Evening Grosbeak.

Coccothraustes vespertinus (female).

See No. 387.



General plumage, gray; crown and rump, tinged with yellowish green; bill, dark; no white on tail feathers; wing coverts and tertials, edged with white.

Pine Grosbeak.

Pinicola enucleator (female).

See No. 388.



Crown, brownish black, with whitish streak in centre; under wing coverts, orange yellow; **breast, streaked with dark brown.**

Rose-breasted Grosbeak.

Habia ludoviciana (female).

See No. 443.

Head and entire underparts, black; back of neck, tawny buff; back, black, mixed with buff; rump, gray; **tail feathers, very pointed.** (This species belongs in Family Icteridæ (Section 9), but might be looked for under this section.)

Bobolink.

Dolichonyx oryzivorus (male).

See No. 370.

Head and throat, dull chocolate brown; rest of plumage, greenish black; no white on wings or tail. (See Section 9, Family Icteridae, where it belongs.)

Cow Bird.

Molothrus ater (*male*).
See No. 371.

General plumage, brownish gray; **no white on wing coverts or tail feathers.**
(This species belongs in Family Icteridae, but the bill is somewhat Finch-like in appearance, and the bird might be looked for under this section.)

Cow Bird.

Molothrus ater (*female*).
See No. 371.

Head, with crest; breast, grayish buff or light tawny; back, olive gray, without streaks; rump and upper surface of tail, not rufous brown.

Cardinal.

Cardinalis cardinalis (*female*).
See No. 442.

Crown, brown, with white stripe in middle; a black stripe on each side of throat; underparts, soiled white; tail feathers, broadly tipped with white; rump and upper surface of tail, not rufous brown.

Lark Sparrow.

Lark Finch.

Chondestes grammacus.
See No. 420.

Rump and upper surface of tail feathers, rufous brown; underparts, white, more or less spotted or streaked with brown.

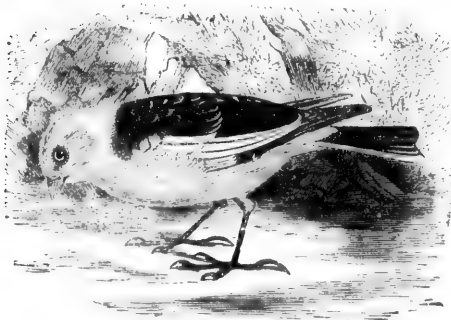
Fox Sparrow.

Passerella iliaca.
See No. 439.

Entire head and back, brown or black; belly, white; sides of body, **bright, rufous brown.**

Towhee Bunting.

Pipilo erythrophthalmus.
See No. 440.



Snow Bunting.

Underparts, white, often tinged with light brown on the breast; greater part of outer tail feathers, white.

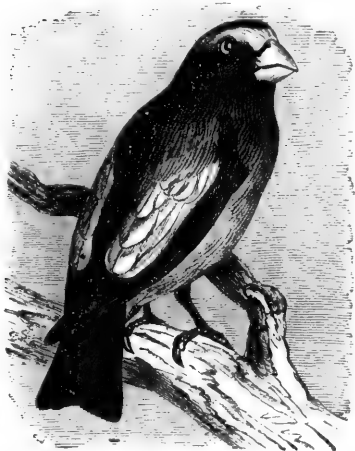
Snow Bunting.

Snow Flake.

Plectrophenax nivalis.
See No. 403.

Group 7. Wing, 4.25 to 4.75 inches long.

First primary, not short, never less than two thirds as long as second or third; bill, stout and conical; nostrils, high, near the culmen; primaries, nine; tarsus, flattened behind.

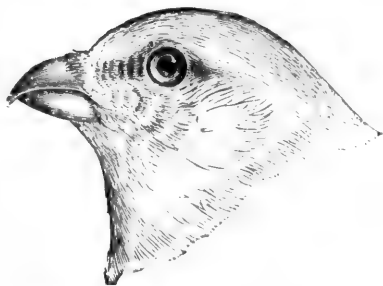


Throat, brownish olive, shading to yellowish green on the belly; wing, black, with patch of white; bill, yellowish; forehead, yellow; crown, black (male); forehead and crown, grayish (female).

Evening Grosbeak.

Coccothraustes vespertina.

See No. 387.



General plumage of body, rose red, more or less mixed with gray; tail, dark brown; wings, brown, the coverts and tertials, edged with white.

Pine Grosbeak.

Pinicola enucleator (male).

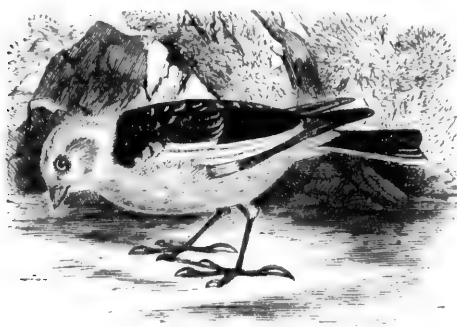
See No. 388.

General plumage, gray; the crown and rump, tinged with yellowish olive; wings, dark brown; the coverts and secondaries, edged with white.

Pine Grosbeak.

Pinicola enucleator (female).

See No. 388.



Underparts, white; breast, usually more or less tinged with pale brown in winter.

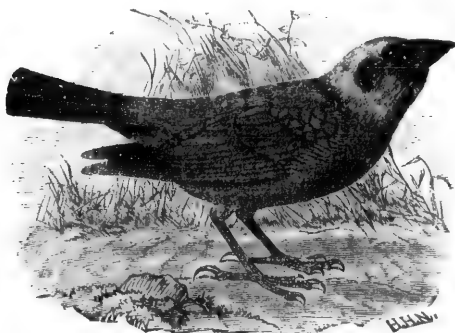
**Snow Bunting.
Snowflake.**

Plectrophenax nivalis.
See No. 403.



Head, chocolate brown; rest of plumage, greenish black (male); general plumage, gray, palest on the throat; no white on wing coverts; crown and rump, like back (female). This species belongs in Section 10, under Family Icteridae, but might be looked for under this family by mistake.

Cow Bird.
Molothrus ater.
See No. 371.



Cow Bird. See Family Icteridae.

FAMILY TANAGRIDÆ.

Tanagers.



Bill, somewhat fringilline, but having a small "tooth" near the middle of the edge of upper mandible; primaries, 9; tarsus, scutellate; males, bright colored.

Group 1. Wing, 3.25 to 4.25 inches long.

Part 1. The following species have more or less of either red, blue, yellow, or green on the underparts:—



Louisiana Tanager.

Head and throat, orange red; bright red on crown; rest of underparts, bright yellow; back, wings, and tail, black; rump, yellow (male).

Louisiana Tanager.

Piranga ludoviciana.

See No. 453.



General plumage, scarlet red: **wings and tail, black**; throat, not black (male).

Scarlet Tanager.

Piranga erythraea.

See No. 454.

General plumage, red; **no black on throat**; wings and tail, **not black**; back, **not streaked**; belly, not whitish (male).

Summer Tanager.

Piranga rubra.

See No. 455.

Underparts, yellowish green, or greenish yellow: **back, grayish**; **greater wing coverts and tertials, edged with dull white**, or yellowish white; mandibles, not crossed (female).

Louisiana Tanager.

Piranga ludoviciana.

See No. 453.

Underparts, **yellowish green**, or greenish yellow: **back, light olive green**; no white on wing coverts; wings and tail, fuscous brown (female); wings and tail, black (young male); inner webs of inner primaries and secondaries, edged with white; mandibles, not crossed (female).

Scarlet Tanager.

Piranga erythromelas.

See No. 454.

No white on wing coverts; **underparts, pale orange yellow**; upper parts, olive green, with faint tinge of orange; mandibles, not crossed (female).

Summer Tanager.

Piranga rubra.

See No. 455.

Underparts, **bright yellow**; throat, **reddish orange**; crown and sides of head, orange red; back, wings, and tail, black; rump, yellow (male).

Louisiana Tanager.

Piranga ludoviciana.

See No. 453.

FAMILY HIRUNDINIDÆ.

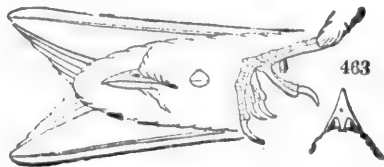
Swallows.

Bill, small and flattened, somewhat triangular in shape; gape, very wide; wings, long, usually extending beyond the tail.

Group 1. Wing, 3 25 to 4.75 inches long.



Bank Swallow.

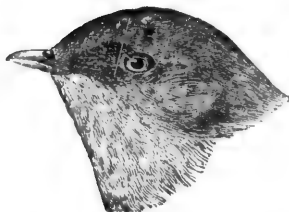


Throat and belly, white; a band of grayish brown on the breast; upper plumage, brownish gray.

Bank Swallow.

Clay-colored riparia.

See No. 463.

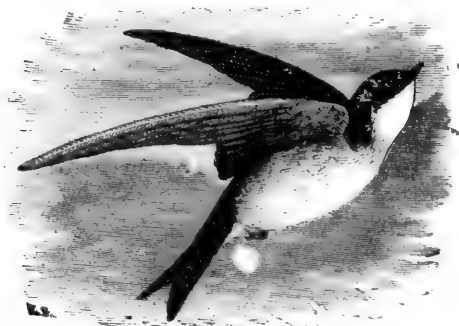


Underparts, brownish gray, shading into whitish on the belly; upper parts, grayish brown; no distinct breast band.

Rough-winged Swallow.

Stelgidopteryx serripennis.

See No. 464.



Tree Swallow.

Entire underparts, white; upper plumage, metallic steel blue; young birds have the upper plumage brownish gray, but the under plumage is pure white.

White-bellied Swallow.
Tree Swallow.

Tachycineta bicolor.
See No. 462.



Upper throat and sides of the head, chestnut brown; belly, whitish; forehead, whitish; crown and back, dark steel blue; upper tail coverts, pale rufous brown.

Cliff Swallow.
Petrochelidon lunifrons.
See No. 458.



Throat, chestnut; belly, pale brown; entire upper plumage, steel blue; tail, forked; upper tail coverts, steel blue.

Barn Swallow.
Chelidon erythrogastra.
See page 461.

Group 2. Wing, 4.75 to 5.50 inches long.



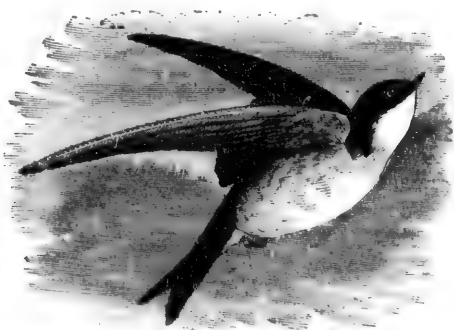
Male: **General plumage** (including belly), **bluish black, or dark steel blue.**

Female: **Back, like male; underparts, grayish brown,** shading into dull white on the belly. Immature birds have the upper plumage, brownish; underparts, brownish on the breast; dull white on the belly.

Purple Martin.

Progne subis.

See No. 456.



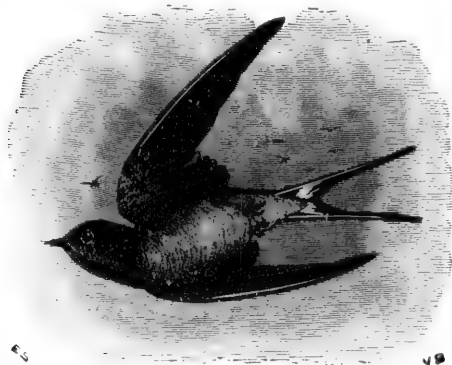
Back, steel blue; belly, white.

Tree Swallow.

White-bellied Swallow.

Tachycineta bicolor.

See No. 462.



Back, steel blue: underparts, cinnamon brown; **tail, very deeply forked.**

Barn Swallow.

Chelidon erythrogastra.

See No. 461.



General plumage, sooty brown; showing a faint greenish tinge on the upper parts; throat, ashy white; **tail feathers, with sharp spines,** or points formed by the shafts of the feathers, extending beyond the webs. The swifts belong to the Family Micropodidae and are widely separated generically from the swallows; but persons unfamiliar with birds might look for them under the same family.

Chimney Swift.

Chaturap pelagica.

See No. 340.

FAMILY AMPELIDÆ.

Waxwings and Cedar Birds.

Bill, without notch ; head, with crest ; primaries, ten ; tarsus, shorter than middle toe and claw ; a black stripe from forehead through the eye ; inner primaries and tail feathers, often tipped with little hard red bits, like minute drops of sealing wax.

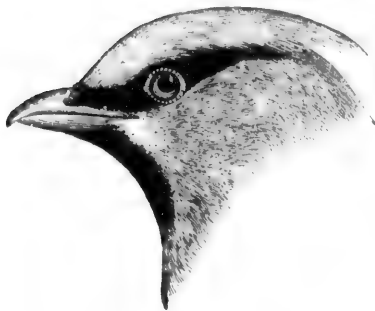


Upper parts, grayish brown ; **crown and breast, pale chocolate brown** ; a black streak in front of eye ; tail, tipped with yellow ; belly, yellowish ; **wing, less than 4.20 inches long.**

Cedar Waxwing.
Cedar Bird.
Cherry Bird.

Ampelis cedrorum.
See No. 466.

Cedar Bird.



General plumage, pale chocolate brown ; forehead, tinged with rufous ; chin, black ; under tail coverts, rufous ; **tail, tipped with yellow** ; **wing, over 4.20 inches long.**

Bohemian Waxwing.
Ampelis garrulus.
See No. 465.

FAMILY LANIIDÆ.

Shrikes.

Bill, strong, notched near the end, and decidedly hooked; tarsus, scutellate; tail, rounded. But two species occur with us, both grayish birds with blackish wings and tail and a stripe through the eye.



Crown and back, gray; underparts, white; a patch of black on the sides of the head; wing less than 4.15 inches long.

Loggerhead Shrike.

Lanius ludovicianus.

See No. 468.



468

Upper plumage, ash gray or gray tinged with buff; underparts, ashy white, the feathers showing numerous faint narrow black bars; a black streak from bill through the eye; wing, more than 4.15 inches long.

Northern Shrike

Lanius borealis.

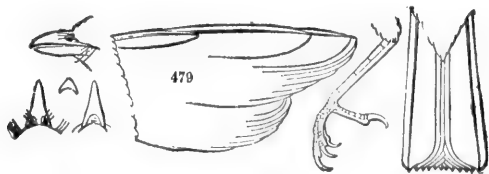
See No. 467.

FAMILY VIREONIDÆ.

Vireos.

Upper mandible, with very small hook at tip; first primary, very short in some species, in others nearly as long as second; toes, joined at base. Plain colored birds, usually greenish or grayish, but often showing a faint wash of yellow on underparts; tail, always without white spots.

Group 1. Wing, less than 2.37 inches long.



Crown, grayish; orbital ring and lores, dull white. Rarely occurs east of Illinois.

Bell's Vireo.*Vireo bellii.*

See No. 480.

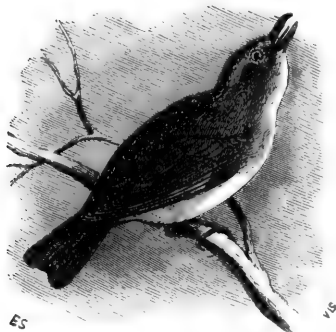


478

Crown, grayish, often tinged with olive; orbital ring and lores, yellow.

White-eyed Vireo.*Vireo noveboracensis*, and races.

See No. 478.

Group 2. Wing, 2.37 to 2.75 inches long.

First primary, very short; lores and eye ring, whitish; throat, whitish;
breast and sides, faintly tinged with yellow; no wing bars.

Warbling Vireo.*Vireo gilvus.*

See No. 473.



First primary, short, but longer than in V. gilvus; lores and eye ring, yellow; back, olive; wing coverts, edged with white.

White-eyed Vireo.*Vireo noveboracensis, and races.*

See No. 478.

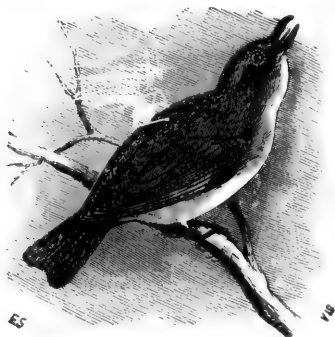
First primary, not short; lores and eye ring, dull white; underparts, washed with very pale greenish yellow; no wing bars.

Philadelphia Vireo.*Vireo philadelphicus.*

See No. 472.

Group 3. Wing, from 2.75 to 3.25 inches long.

Bill, with small but distinct hook; **no streaks** on back or breast; breast or throat, never spotted.



First primary, longer than fourth; back and rump, olive; crown, plumbeous gray, or bluish gray; **no dusky streak from base of bill on sides of throat; underparts, white**, tinged with pale yellowish green on sides of body.

Red-eyed Vireo.*Vireo olivaceus.*

See No. 470.



Similar to *Vireo olivaceus*, but having a dusky streak or line extending from base of lower mandible on side of throat.

Black-whiskered Vireo.*Vireo calidris barbatulus.*

See No. 469.

First primary, very short and narrow; **crown and back**, grayish olive; underparts, dull white, **faintly** tinged with olive, or yellowish on sides; **no white wing bars.**

Warbling Vireo.*Vireo gilvus.*

See No. 473.



First primary, short; crown, gray; back, olive; rump, olive green; throat and belly, white; sides of body, greenish yellow; lores, white; sides of head, gray; **wing bars, white.**

Solitary Vireo.

Vireo solitarius, and races.

See No. 475

First primary, not short; lores and eye ring, yellow; **throat and breast, yellow**; belly, white; **wing bars, white.**

Yellow-throated Vireo.

Vireo flavifrons.

See No. 474.

First primary, equal to fifth; **lores and orbital ring, dull white**; upper plumage, light olive, tinged with ashy on the crown; **underparts, washed with very pale yellow**; **no white** wing bars.

Philadelphia Vireo.

Vireo philadelphicus.

See No. 472.

FAMILY CÆREBIDÆ.

Honey Creepers.

Bill, curved; wing, about 2.50; length, about 4.50.



Throat, white; **lower breast, yellow**; **rump, yellow**; crown and back, slaty black. A Bahama Island species of rare and accidental occurrence in Florida, not recorded elsewhere in the United States.

Bahama Honey Creeper.

Cæreba bahamensis.

See No. 481.

FAMILY MNIOTILTIDÆ.

WARBLERS.

GROUP 1. Wing, less than 2.37 inches long. See page 277.

- Part 1. Throat, breast, and belly, yellow; breast, more or less streaked; some tail feathers, marked with white. See page 278.
- Part 2. Throat, breast, and belly, yellow; breast, more or less streaked; no white on tail feathers. See page 278.
- Part 3. Throat, breast, and belly, yellow, without streaks; some tail feathers, marked with white. See page 279.
- Part 4. Throat, breast, and belly, yellow, without streaks; no white on tail feathers. See page 279.
- Part 5. Throat, yellow; belly, not yellow; tail feathers, marked with more or less white. See page 280.
- Part 6. Throat, yellow; belly, not yellow; no white on tail feathers. See page 281.
- Part 7. Throat, not yellow; belly, yellow; no white on tail feathers. See page 281.
- Part 8. Throat, not yellow; belly, yellow; more or less white on tail feathers. See page 281.
- Part 9. No yellow on throat or belly; no white on tail feathers. See page 282.
- Part 10. No yellow on throat or belly; more or less white on tail feathers. See page 282.

GROUP 2. Wing, 2.37 to 2.75 inches long. See page 284.

- Part 1. Throat, breast, and belly, yellow; breast, more or less streaked; some tail feathers marked with more or less white. See page 284.
- Part 2. Throat, breast, and belly, yellow; breast, more or less streaked; no white on tail feathers. See page 286.
- Part 3. Throat, breast, and belly, yellow, without streaks; some tail feathers marked with more or less white. See page 287.
- Part 4. Throat, breast, and belly, yellow, without streaks; no white on the tail feathers. See page 289.
- Part 5. Throat, yellow; belly, not yellow; tail feathers, marked with more or less white. See page 290.
- Part 6. Throat, not yellow; belly, yellow; no white on tail feathers. See page 292.
- Part 7. Throat, not yellow; belly, yellow; more or less white on the tail feathers. See page 292.
- Part 8. Throat, not yellow; belly, not yellow; no white on the tail feathers; breast, streaked or spotted with black or dark brown. See page 294.

Part 9. Throat, not yellow; belly, not yellow; no white on the tail feathers; breast, not streaked or spotted with black or dark brown. See page 294.

Part 10. Throat, not yellow; belly, not yellow; more or less white on the tail feathers; sides of breast and body, with distinct black or blackish streaks. See page 295.

Part 11. Throat, not yellow; belly, not yellow; more or less white on the tail feathers; sides of breast and body, not marked with numerous distinct black streaks. See page 297.

GROUP 3. Wing, 2.75 to 3.25 inches long. See page 300.

Part 1. Throat, breast, and belly, yellow; breast, more or less streaked; some tail feathers, marked with white. See page 300.

Part 2. Throat, breast, and belly, yellow; breast, more or less streaked; no white on the tail feathers. See page 303.

Part 3. Throat, breast, and belly, yellow, without streaks; more or less white on the tail feathers. See page 303.

Part 4. Throat, breast, and belly, yellow, without streaks; no white on the tail feathers. See page 303.

Part 5. Throat, yellow; belly, not yellow; tail feathers, marked with more or less white. See page 304.

Part 6. Throat, not yellow; belly, yellow; no white on the tail feathers. See page 305.

Part 7. Throat, not yellow; belly, yellow; more or less white on the tail feathers. See page 306.

Part 8. Throat, not yellow; belly, not yellow; no white on the tail feathers; breast, not streaked or spotted with black or dark brown. See page 306.

Part 9. Throat, not yellow; belly, not yellow; no white on the tail feathers; breast, streaked or spotted with black or dark brown. See page 307.

Part 10. Throat, not yellow; belly, not yellow; more or less white on the tail feathers; sides of breast and body, marked with numerous distinct black or blackish streaks. See page 307.

Part 11. Throat, not yellow; belly, not yellow; more or less white on the tail feathers; breast and sides of the body, not marked with distinct black streaks. See page 308.

GROUP 4. Wing, 3.25 to 3.75 inches long. See page 310.

FAMILY MNIOTILTIDÆ

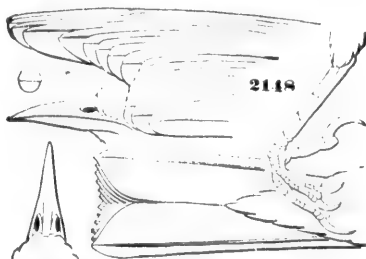
Warblers.

First primary, not short, never less than two thirds as long as third, and often nearly the same length; bill, slender and pointed; back of tarsus, thin and sharp, not rounded as in front; hind toe and claw, not longer than middle toe and claw.

Group 1. Wing, less than 2.37 inches long.



Dendroica.



Helmitherus.

515
Sciurus.525
Sylvania.491
Helminthophila.498
Dendroica.

Geothlypis.



Sylvania.



Setophaga.

Part 1. The following species have the throat, breast, and belly, yellow; breast, more or less streaked; some tail feathers, marked with white:—

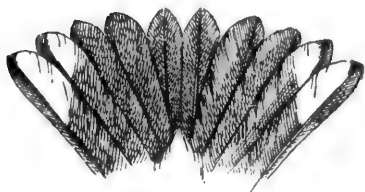


Wing coverts, broadly bordered with yellow; under surface of wing, **yellow**;
white on tail feathers, extending to tip of inner web; crown, not chestnut brown.

Prairie Warbler.

Dendroica discolor.

See No. 514.

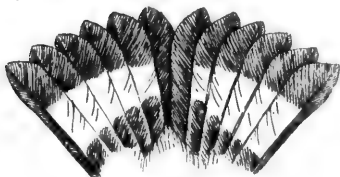


Wing coverts, not bordered with yellow;
undertail coverts, yellow.

Dendroica palmarum.

Palm Warbler.

See No. 512.



Dendroica maculosa.

Wing coverts, showing much white; under
surface of wing, **white**; **tail, with band**
of white, no white at tip; rump, yellow.

Black and Yellow Warbler.

Dendroica maculosa.

See No. 500.

Part 2. The following species have the throat, breast, and belly, yellow;
breast, with more or less streaks; no white on tail feathers:—

More or less **yellow**, on inner webs of primaries and **tail feathers.**

Summer Warbler.

Dendroica aestiva.

See No. 496.

Part 3. The following species have the throat, breast, and belly, yellow without streaks; some tail feathers marked with white:—

Crown and sides of head, grayish or slate color; no yellow on forehead; adult birds have patch of chestnut on crown; some tail feathers **very narrowly edged** with white; under wing coverts, yellow; no black streaks on sides of body.

Nashville Warbler.

Helminthophila ruficapilla.

See No. 491.

Wing bars, white; under wing coverts, white; some tail feathers with much white on inner webs; adult birds have forehead and more or less of crown yellow; immature birds have crown yellowish green.

Blue-winged Warbler.

Helminthophila pinus.

See No. 487.

No wing bars; under wing coverts, yellow; tail feathers, showing considerable white; throat, more or less black, according to age and season; crown, slaty gray; adult birds have yellow forehead and gray crown, marked with black.

Bachman's Warbler.

Helminthophila bachmani.

See No. 486.

Wing bars, yellowish; sides of body, more or less streaked with black.

Prairie Warbler.

Dendroica discolor.

See No. 514.

Part 4. The following species have the throat, breast, and belly, yellow without streaks; no white on tail feathers:—

Crown and back, greenish yellow; more or less **yellow on inner webs of primaries and tail feathers**; crown, yellowish green.

Summer Warbler.

Dendroica æstiva (female or immature).

See No. 496.

Crown, slate color with patch of chestnut in some plumages; sides of head, slate color; **wing, longer than tail**; lower belly, tinged with white; rump and upper tail coverts, bright yellowish green.

Nashville Warbler.

Helminthophila ruficapilla.

See No. 491.

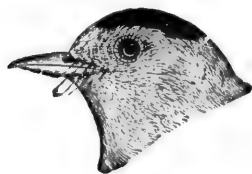
Crown, dull olive; **throat, bright yellow; belly, much paler**, often whitish; tail, brownish olive, without yellow; **wing, not longer than tail**; males have black patch on face (forehead and sides of head) which is lacking in females.

Maryland Yellowthroat.

Geothlypis trichas.

See No. 522.

Throat and belly, nearly the same color; crown, glossy black (male), or olive green like back (female); tail feathers, slaty brown faintly washed with olive on outer webs; numerous small black bristles at base of bill.



Wilson's Warbler.

Wilson's Blackcap.

Sylvania pusilla.

See No. 526.

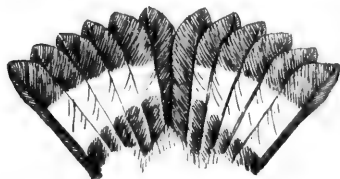
Entire underparts, yellow; **brightest on the belly; wing, longer than tail**; crown, grayish; **back and rump, dull olive**; tail feathers, not marked with yellow.

Mourning Warbler.

Geothlypis philadelphia (young female).

See No. 521.

Part 5. The following species have the throat, yellow; belly, not yellow; tail feathers, marked with more or less white:—



Back, black or dark; tail, black, with broad band of white; rump, yellow.

Black and Yellow Warbler.

Dendroica maculosa.

See No. 500.

Back, slaty blue, often showing yellowish olive; rump, slate color; sides of head, grayish or slaty blue.

Parula Warbler.

Blue, Yellowbacked Warbler.

Compsothlypis americana.

See No. 494.

Back, dull green; throat, faintly washed with greenish yellow; rump, green; sides, not streaked.

Tennessee Warbler.

Helminthophila peregrina.

See No. 493.

Back, greenish; rump, greenish; cheeks, yellowish; sides, showing more or less dark streaks.

Black-throated Green Warbler.

Dendroica virens.

Part 6. The following species have the throat yellow; belly, not yellow; no white on tail feathers:—



Throat, bright yellow; shading to whitish or olive on belly; forehead and sides of head, black (male); no black on head (female); **wing, not longer than tail.**

Maryland Yellowthroat.

Geothlypis trichas.

See No. 522.

Throat, showing faint tinge of greenish yellow; throat and sides of body, nearly same color; **wing, considerably longer than tail.**

Tennessee Warbler.

Helminthophila peregrina.

See No. 493.

Part 7. The following species have the throat, not yellow; belly, yellow; and no white on the tail feathers:—

Legs, dark; throat, whitish; belly, faintly tinged with yellow; **under tail coverts, whitish**; tail feathers, slaty brown.

Bachman's Warbler.

Helminthophila bachmanii (immature in fall).

See No. 486.

Head, grayish; **back, olive green**; belly, bright yellow; throat, blackish (male); throat, grayish (female); legs, pale; tail feathers, olive green; **under tail coverts, yellow.**

Mourning Warbler.

Geothlypis philadelphia.

See No. 521.

Back, grayish brown; belly, faintly tinged with yellow; **under tail coverts, yellow.**

Palm Warbler.

Dendroica palmarum.

Part 8. The following species have the throat, not yellow; belly, yellow; tail feathers, marked with more or less white:—

Throat, usually with more or less black (sometimes without trace of black), according to age and season; forehead, yellow; top of head, grayish, showing more or less black; back, green.

Bachman's Warbler.

Helminthophila bachmanii.

See No. 486.

Part 9. The following species have no yellow on throat or belly, and no white on the tail feathers:—

Wing, less than 2.25; underparts, whitish, tinged with olive on sides; throat, with faint wash of yellowish buff, almost white; crown, dull olive; tail, entirely olive green.

Maryland Yellowthroat.

Geothlypis trichas (young bird in fall).

See No. 522.

Wing, over 2.25; entire underparts, whitish or slightly olive; crown, slaty; back, green; no yellow or orange on tail feathers.

Tennessee Warbler.

Helminthophila peregrina.

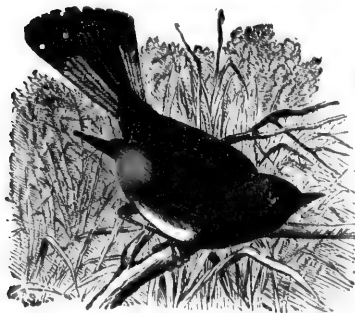
See No. 493.

Entire underparts, dull olive or olive green; crown, with partially concealed patch of orange brown (sometimes wanting); no yellow or orange on tail feathers.

Orange-crowned Warbler.

Helminthophila celata.

See No. 462.



End of tail, brown; basal portion of tail feathers, reddish orange (male), or pale yellow (female); more or less black bristles at base of bill.

Redstart.

Setophaga rusticilla.

See No. 528.

Part 10. The following species have no yellow on the throat or belly, and more or less white on the tail feathers:—

Wing coverts, broadly edged with yellow; crown, greenish yellow; back, tinged with slate color; tail feathers, marked with white to the tips of inner webs.

Golden-winged Warbler.

Helminthophila chrysoptera.

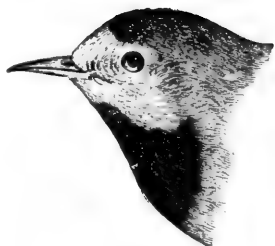
See No. 488.

Wing coverts, not yellow; crown, grayish or greenish; back, yellowish green; some tail feathers, narrowly edged with white near tips of inner webs.

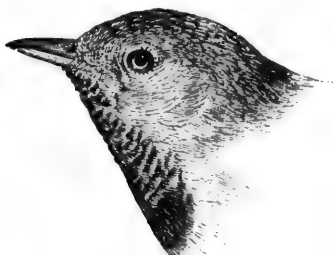
Tennessee Warbler.

Helminthophila peregrina.

See No. 493.



Bachman's Warbler (male).



Mourning Warbler (male).



Canadian Warbler (male).



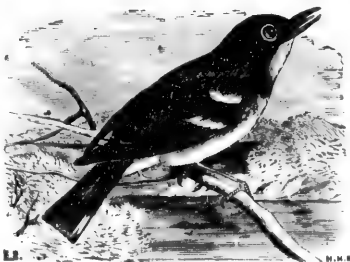
Maryland Yellow Throat.



Kentucky Warbler (male).



Palm Warbler (male).



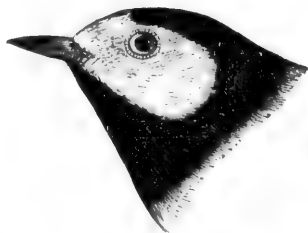
Parula Warbler.



Yellow Warbler (male).



Chestnut-sided Warbler (male).



Hooded Warbler (male).



Black-poll Warbler (male).

Group 2. Wing, from 2.37 to 2.75 inches long.*Helminthophila.**Seturus.*

Part 1. The following species have the throat, breast, and belly, yellow; breast, more or less streaked; some tail feathers, marked with more or less white:—

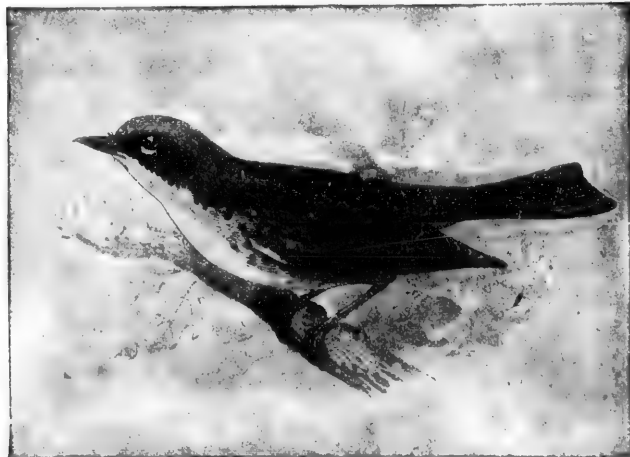
Underparts, yellow; **breast, streaked with brown; under tail coverts, yellow; crown, chestnut; back, dull olive; rump, olive green.**

Yellow Palm Warbler.

Yellow Redpoll Warbler.

Dendroica palmarum hypochrysea

See No. 513.



Underparts, pale yellow; sides of **breast, streaked with black; under tail coverts, white; crown, grayish; back and rump, ashy, streaked with black.**

Kirtland's Warbler.

Dendroica kirtlandi.

See No. 510.

Underparts, yellow; sides of **breast, streaked with olive**; under tail coverts, ashy; crown, back, and rump, **olive green**.

Pine-creeping Warbler.

Dendroica vigorsii.

See No. 511.



Head and tail, Black and Yellow Warbler.

Underparts, bright yellow; **breast, heavily streaked with black**; under tail coverts, white; crown, slaty; back, black; **rump, yellow**.

Black and Yellow Warbler.

Dendroica maculosa.

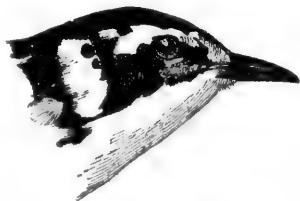
See No. 500.

Underparts, very pale yellowish, almost yellowish white, **faintly streaked with black**; under tail coverts, white; **crown, back, and rump, olive, streaked with black**.

Black-poll Warbler.

Dendroica striata (female).

See No. 504.



Head and tail, Blackburnian Warbler.

Throat and breast, orange; belly, pale yellow; sides of breast streaked with black; crown, black, streaked with dull white; **rump, black**; undertail coverts, white.

Blackburnian Warbler.

Dendroica blackburniae.

See No. 505.



Underparts, yellow; throat, sides marked with rufous brown; breast, streaked with black; crown, black or olive gray; back, olive green, marked with black; **rump, yellow**; undertail coverts, yellowish white.

Cape May Warbler.

Dendroica tigrina.

See No. 495.



Underparts, very pale yellow, streaked with dark brown; undertail coverts, yellowish white; **crown, back, and rump, dark olive.**

**Water Thrush,
Water Warbler.**

Seiurus noveboracensis.

See No. 516.

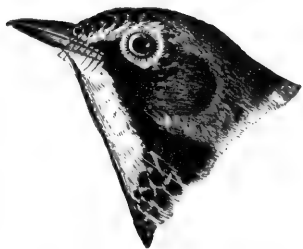
Part 2. The following species have the throat, breast, and belly, yellow; breast, more or less streaked; no white on tail feathers:—

Breast, streaked with rufous brown; major portion of inner webs of tail feathers, **yellow.**

**Summer Warbler.
Yellow Warbler.**

Dendroica aestiva.

See No. 496.



Breast, with black or dusky streaks; tail feathers, entirely dull brown.

Canadian Warbler.

Sylvania canadensis.

See No. 527.

Part 3. The following species have the throat, breast, and belly, yellow, without streaks; some tail feathers marked with more or less white: —



Throat and underparts, yellow; lower throat, tinged with black; **forehead, yellowish; crown, gray; back and rump, olive green; more or less yellow about eyes; tail feathers, showing considerable white.**

Bachman's Warbler.

Helminthophila bachmanii.

See No. 486.

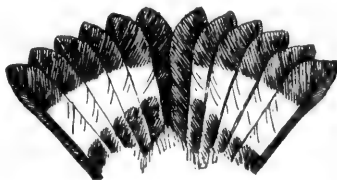


Throat and underparts, yellow; under tail coverts, yellow; **crown, gray; no yellow about eyes;** sides of head, gray; **back and rump, olive green;** outer tail feathers, very **narrowly edged with white** (male has a chestnut brown patch on crown).

Nashville Warbler.

Helminthophila ruficapilla.

See No. 491.



Head and tail, Black and Yellow Warbler.

Crown, dull gray; back, olive green; rump and belly, yellow; tail feathers, with white spots in the middle.

Black and Yellow Warbler.

Dendroica maculosa.

See No. 500.

Underparts, bright yellow; **crown, yellow; back and rump, bright olive green;** a narrow black streak from bill to eye.

Blue-winged Warbler.

Helminthophila pinus (male).

See No. 487.



Crown, olive green (sometimes with forehead yellow); underparts, greenish yellow; back and rump, olive green; terminal **third of inner webs of outer tail feathers, white.**

Blue-winged Warbler.

Helminthophila pinus (female and immature).

See No. 487.

Underparts, tinged with greenish yellow; undertail coverts, white; **crown, back, and rump, olive green; outer tail feathers** very narrowly edged with white (entirely absent in some specimens).

Tennessee Warbler.

Helminthophila peregrina (female in fall and immature).

See No. 493.

Underparts, yellow, washed with olive on sides; **sides of head and lores, yellow; crown, olive green;** back and rump, olive green; undertail coverts, pale yellow.

Hooded Warbler.

Sylvania mitrata (female and immature in fall).

See No. 525.



Kirtland's Warbler.

Underparts, yellow; **sides, streaked with black; crown, slaty gray;** back and rump, ashy, streaked with black; lores, black.

Kirtland's Warbler.

Dendroica kirtlandii.

See No. 510.

Crown, greenish blue ; wing coverts, edged with white ; back, greenish blue, without streaks ; under tail coverts, whitish ; underparts, tinged with pale yellow.

Cerulean Warbler.

Dendroica cerulea (female and immature).

See No. 501.

Part 4. The following species have the throat, breast, and belly, yellow, without streaks, and no white on the tail feathers :—



Crown, slate color, with patch of chestnut (male), or crown, olive gray (female) ; rump and upper tail coverts, yellowish green ; auricular region (sides of head), grayish ; under tail coverts, yellow.

Nashville Warbler.

Helminthophila ruficapilla.

See No. 491.

Underparts, faintly washed with yellow, or yellowish white ; crown, grayish olive ; back and rump, olive green ; under tail coverts, white ; no yellow on tail feathers.

Tennessee Warbler.

Helminthophila peregrina (female in fall).

See No. 493.

Crown, back, and rump, yellowish green ; major part of inner webs of tail feathers, yellow.

Summer Warbler.

Yellow Warbler.

Dendroica aestiva (female).

See No. 496.



Sides of head, yellowish ; crown, glossy black (male) ; crown, bright olive green, like back (female) ; back and rump, bright olive green ; under tail coverts, yellow.

Wilson's Warbler.

Sylvania pusilla.

See No. 526.

Crown, grayish ; back and rump, dull olive green ; entire underparts, yellow, palest on throat ; no yellow on tail feathers ; chin, not whitish ; no buff-white stripe over eye.

Mourning Warbler.

Geothlypis philadelphia (young female).

See No. 521.

Crown, grayish; back and rump, green; underparts, pale yellow; chin, whitish; a buff-white stripe over the eye. (This bird belongs in Section 4, but might be mistaken for a warbler by the novice.)

Philadelphia Vireo.

Vireo philadelphius.

See No. 472.



Crown and sides of head, with more or less black; a yellow superciliary stripe; back and rump, olive green.

Kentucky Warbler.

Geothlypis formosa.

See No. 519.

Underparts, yellowish olive; crown, with partly concealed orange brown spot; under tail coverts, greenish yellow.

Orange-crowned Warbler.

Helminthophila celata.

See No. 492.

Part 5. The following species have the throat, yellow; belly, not yellow; tail feathers, marked with more or less white: —

Back, green, streaked with black; outer web of outer tail feather, not edged with white; no yellow stripe over eye; chin, whitish; sides of breast and body, streaked.

Black-poll Warbler.

Dendroica striata (female).

See No. 504.



Crown, black, with patch of orange yellow in centre; back and rump, black, with more or less white; throat, orange; sides, streaked with black.

Blackburnian Warbler.

Dendroica blackburniae (adult male).

See No. 505.

Throat, yellow; sides of breast, streaked with blackish; **crown, olive, dotted with blackish; back and rump, olive gray, streaked with black**; usually a trace of yellow in middle of crown; **basal portion of narrow outer web of outer tail feather, edged with white.**

Blackburnian Warbler.

Dendroica blackburnia (female, and immature).

See No. 505.

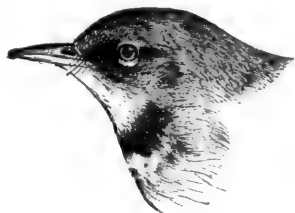


Crown, ash gray; forehead, blackish; throat, yellow; bordered by black; **sides of breast, streaked with black; back and rump, slaty gray, not streaked;** no white on outer web of outer tail feather.

Yellow-throated Warbler.

Dendroica dominica, and races.

See No. 506.



Crown, slaty blue; back, tinged with greenish yellow; rump, like crown; no black streaks on sides of throat, back, or underparts.

Blue Yellow-backed Warbler.

Parula Warbler.

Compothlypis americana.

See No. 494.

Crown, back, and rump, green (tinged with gray), without streaks; two outer tail feathers with oblique white spots; **lores, yellow.**

Pine Warbler.

Dendroica vigorsii.

See No. 511.

Crown, back, and rump, green; sides of head, yellowish; **outer web of tail feather, edged with white;** sides more or less faintly streaked; rump, same color as back.

Black-throated Green Warbler.

Dendroica virens (female and fall plumage).

See No. 508.

Crown, olive; more or less speckled with black; back, olive; **rump, yellow or greenish yellow;** breast with numerous streaks; **no white on outer web of outer tail feathers;** sides of head and neck, more or less tinged with yellow.

Cape May Warbler.

Dendroica tigrina (female and immature at some seasons).

See No. 495.

Part 6. The following species have the throat not yellow; belly, yellow, and no white on the tail feathers:—

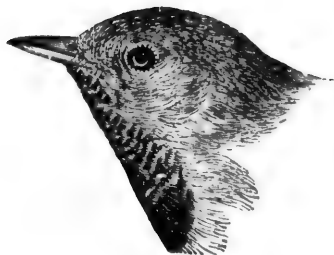


Throat, grayish or brownish; **eye ring, white**; back, olive green.

Connecticut Warbler.

Geothlypis agilis.

See No. 520.



Throat, grayish or ashy, changing to black in adult male birds; no white eye ring.

Mourning Warbler.

Geothlypis philadelphia.

See No. 521.

Part 7. The following species have the throat not yellow; belly yellow, and more or less white on tail feathers:—



Upper throat, chestnut; breast, streaked with black; back, greenish; rump, yellow; much white on wing coverts.

Cape May Warbler.

Dendroica tigrina (adult male).

See No. 495.

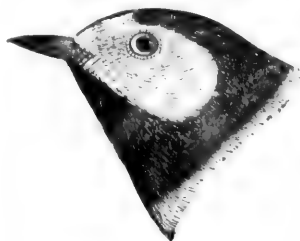


Chin, yellow; **throat and upper breast, black**;
forehead, yellow, bordered by black; **rest of**
crown and nape, gray.

Bachman's Warbler.

Helminthophila bachmani (adult male).

See No. 486.



Throat, black; forehead and sides of head,
yellow; **crown, black.**

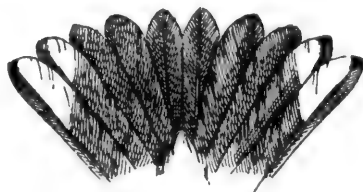
Hooded Warbler.

Sylvania mitrata.

See No. 525.



Throat, dull white; breast, faintly streaked; **under tail coverts, yellow**;
wing coverts, tipped with brownish; crown, often marked with more or less
rufous brown.



Palm Warbler.

Red-poll Warbler.

Dendroica palmarum.

See No. 512.

Crown, bluish green; wing coverts, tipped with white; **under tail cov-**
erts, whitish; underparts, pale yellowish white.

Cerulean Warbler.

Dendroica cerulea (female or immature).

See No. 501.

Part 8. The following species have the throat, not yellow; belly, not yellow, and no white on the tail feathers; breast, streaked, or spotted with black, or dark brown:—



Crown, brownish orange; back, olive green;
bill, pale.

Oven Bird.
Golden-crowned Thrush.
Seiurus aurocapillus.
See No. 515.

Crown and back, olive brown; bill, dark.

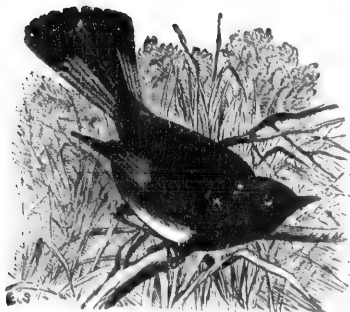
Water Thrush.
Seiurus noreboracensis, and races.
See No. 516.

Part 9. The following species have the throat, not yellow; belly, not yellow, and no white on the tail feathers; breast, not streaked, or spotted with black, or dark brown:—



Crown, with stripe of tawny buff, bordered by black stripes; a black stripe through the eye; underparts, buffy white; olive on sides.

Worm-eating Warbler.
Helmitherus vermivorus.
See No. 485.



Crown and back, black, throat, black;
a patch of orange on sides of breast.

Redstart.
Setophaga ruticilla (male).
See No. 528.

Crown, slaty olive ; back, dull olive ; underparts, white ; a patch of yellow on sides of breast ; outer tail feathers, yellow, tipped with brown.

Redstart.

Setophaga ruticilla (female).

See No. 528.

Crown, grayish olive, usually with partly concealed orange brown spot ; no yellow on tail feathers ; underparts, yellowish green.

Orange-crowned Warbler.

Helminthophila celata.

See No. 492.

Part 10. The following species have the throat not yellow ; belly, not yellow, and more or less white on tail feathers ; sides of breast and body with numerous distinct black or blackish streaks :—



Throat, bright orange : crown, black, streaked with white.



Blackburnian Warbler.

Dendroica blackburnie (adult male).

See No. 505.

Crown, back, and rump, bright olive green ; sides of head, yellowish ; throat, usually with more or less indications of black in most specimens ; inner webs of two outer tail feathers, white.

Black-throated Green Warbler.

Dendroica virens (full and immature).

See No. 508.



Crown, black ; back, grayish olive, streaked with black ; rump, like back.

Black-poll Warbler.

Dendroica striata.

See No. 504.

Crown and back, blue; the back, streaked with black; **rump, slaty blue.**

Cerulean Warbler.

Dendroica cerulea.

See No. 501.

Crown, dull olive green, dotted with black; back, grayish olive, streaked with black; **rump, like back.**

Dendroica striata (fall and immature).

See No. 504.



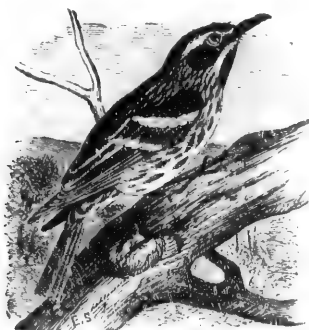
Middle of crown, rump, and sides of the breast, with more or less yellow.

Myrtle Warbler.

Yellow-rumped Warbler.

Dendroica coronata.

See No. 498.



Crown, black, with white stripe in middle; entire plumage, black and white.

Black and White Warbler.

Black and White Creeper.

Mniotilta varia.

See No. 482.

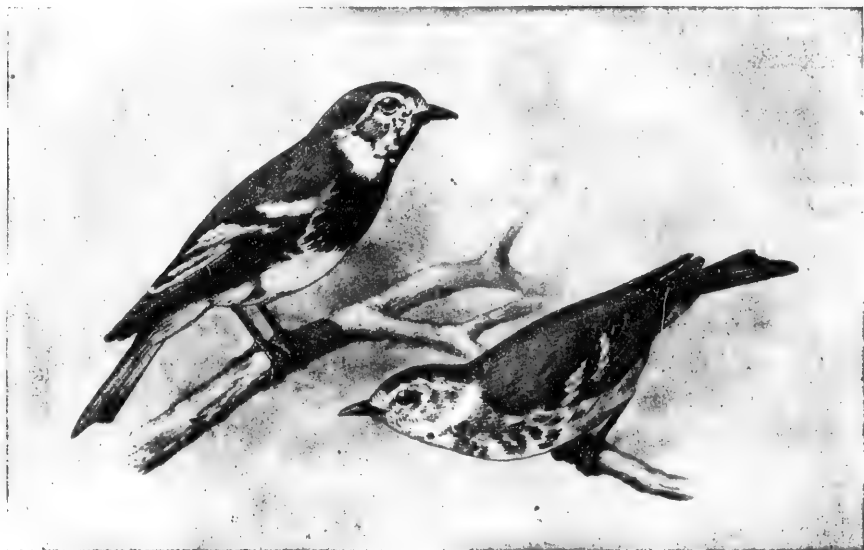
Crown and back, grayish olive; **rump, yellowish;** a **patch of white near the tips of outer tail feathers on the inner webs.**

Cape May Warbler.

Dendroica tigrina (immature female).

See No. 495.

Part 11. The following species have the throat, not yellow; belly, not yellow, and more or less white on the tail feathers; the sides of breast and body, not marked with numerous distinct black streaks:—



Throat, black; crown, olive green; sides of head, yellow; wing bands, white.

Black-throated Green Warbler.

Dendroica virens (adult male).

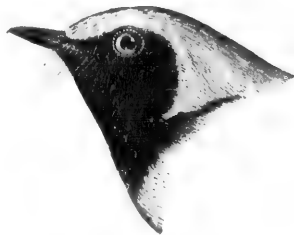
See No. 508.

Throat, black; ear coverts, black; crown, yellowish; wing bands, yellow.

Golden-winged Warbler.

Helminthophila chrysoptera (male).

See No. 488.

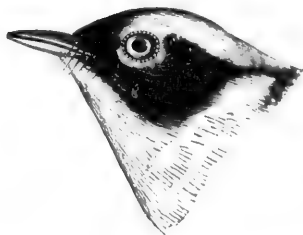


Throat, black; crown, dull blue; sides of breast, bluish black; a patch of white at base of primaries.

Black-throated Blue Warbler.

Dendroica caerulescens (adult male).

See No. 497.



Throat and sides, chestnut; crown, chestnut.

Bay-breasted Warbler.

Dendroica castanea (adult).

See No. 503.

Throat and sides, more or less marked with chestnut; crown, olive green, streaked with black; back, grayish olive, streaked with black; (crown, with indications of chestnut;) belly, cream white.

Bay-breasted Warbler.

Dendroica castanea (female).

See No. 503.

Throat and underparts, cream white, shading into pale buff; white on flanks; crown and **back, green, indistinctly streaked with black;** wing bars, white.

Bay-breasted Warbler.

Dendroica castanea (immature).

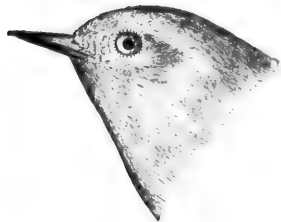
See No. 503.

Throat and underparts, pale yellowish white; crown and back, green, indistinctly streaked; wing bars, white; often very difficult to distinguish from immature specimen of *D. castanea*.

Black-poll Warbler.

Dendroica striata (immature).

See No. 504.



Throat and underparts, white; ashy on the sides; **crown, slaty gray;** back, green; under tail coverts, white.

Tennessee Warbler.

Helminthophila peregrina (adult male).

See No. 493.

Throat and underparts, white; wing bars, yellow; crown and back, bright green.

Chestnut-sided Warbler.

Dendroica pennsylvanica (immature).

See No. 502.



Throat and underparts, white; sides, more or less marked with chestnut; crown, greenish yellow; back, greenish, streaked with black; wing bars, yellowish.

Chestnut-sided Warbler.

Dendroica pennsylvanica.

See No. 502.

Throat and underparts, cream white; crown and back, greenish blue; rump, like back; wing coverts, edged with white; under tail coverts, whitish.

Cerulean Warbler.

Dendroica cerulea (female).

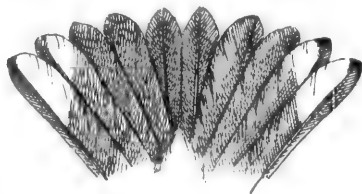
See No. 501.

Throat and underparts, dull white; crown and back, grayish olive; wing bars, white; an oblique white spot on inner webs of two outer tail feathers; rest of tail feathers, without white; under tail coverts, whitish.

Pine Warbler.

Dendroica vigorsii (full and immature).

See No. 511.



Throat and underparts, whitish, faintly tinged with yellow; breast, with rather indistinct dusky streaks; crown, grayish olive, usually with at least an indication of chestnut; back, grayish olive; rump, olive green; under tail coverts, yellow.

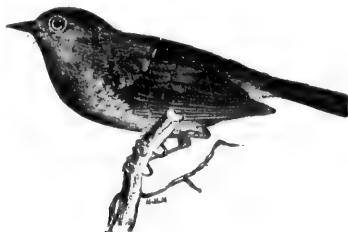
Palm Warbler.

Red-poll Warbler.

Dendroica palmarum.

See No. 512.

Throat and underparts, dull yellowish green; crown, green, with partly concealed orange brown patch in centre (wanting in young birds); outer tail feathers, narrowly edged with white on inner web; rest of tail feathers, without white; no white spot at base of primaries.



Orange-crowned Warbler.

Helminthophila celata.

See No. 492.

Throat and underparts, buffy white; crown and back, olive green; bases of primaries, white, forming a small spot on wing (female).

Black-throated Blue Warbler.

Dendroica caerulescens.

See No. 497.

Throat, gray; belly, white (breast, often washed with yellow); crown, yellowish green; wing coverts, broadly tipped with yellow (female).

Golden-winged Warbler.

Helminthophila chrysoptera.

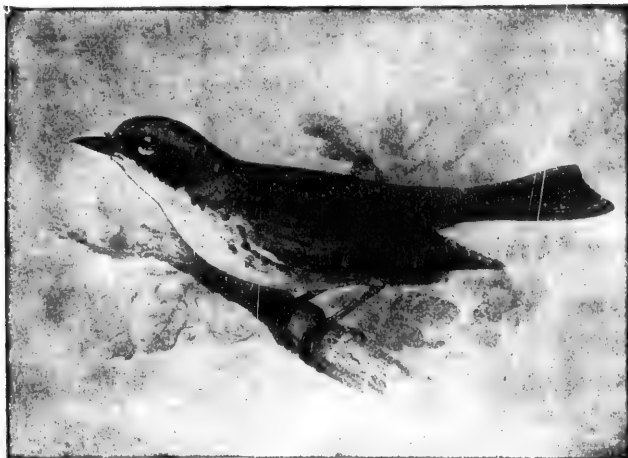
See No. 488.

Group 3. Wing, 2.75 to 3.25 inches long.



Part 1. The following species have the throat, breast, and belly, yel-

low; the breast, more or less streaked; some tail feathers, marked with white:—

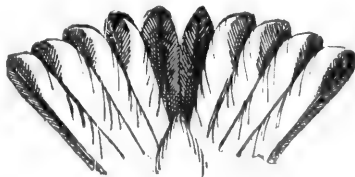
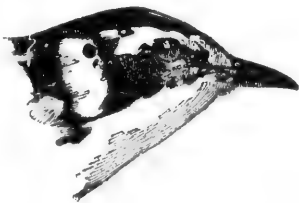


Underparts, pale yellow; sides of breast, more or less streaked with black; under tail coverts, white; crown, grayish; back and rump, ashy gray, streaked with black.

Kirtland's Warbler.

Dendroica kirtlandi.

See No. 510.



Tail.

Throat and breast, orange; belly, pale yellow; sides of breast, streaked with black; crown, black, with orange spot in centre; back, black, streaked with whitish; rump, black; under tail coverts, white.

Blackburnian Warbler.

Dendroica Blackburnia.

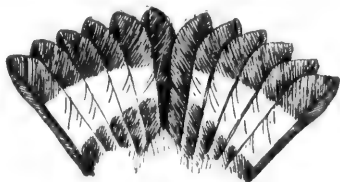
See No. 505.

Underparts, very pale yellowish, almost yellowish white, **faintly streaked with black**; under tail coverts, white; crown, back, and rump, olive green, streaked with black.

Black-poll Warbler.

Dendroica striata (female).

See No. 504.



Tail.

Underparts, yellow; sides of breast, streaked with olive; under tail coverts, ashy; crown, back, and rump, olive green (not streaked).

Pine Warbler.

Dendroica vigorsii.

See No. 511.

Underparts, yellow; breast, streaked with brown; crown, chestnut; back, dull olive; rump, olive green; under tail coverts, yellow.

Yellow Red-poll Warbler.

Dendroica palmarum hypochrysea.

See No. 513.



Underparts, yellow; ear coverts, rufous; breast, streaked with black; crown, black, or olive gray; back, olive green, marked with black; **rump, yellow**; under tail coverts, yellowish white; **a patch of white on wing coverts.**

Cape May Warbler.

Dendroica tigrina.

See No. 495.



Underparts, very pale yellow, streaked with dark brown; under tail coverts, yellowish white; **crown, back, and rump, dark olive.**

Water Thrush.

Seiurus noveboracensis.

See No. 516.

Part 2. The following species has the throat, breast, and belly, yellow; breast, more or less streaked, and no white on the tail feathers:—

Breast, with black or dusky streaks; tail, dull brown.

Canadian Warbler.

Sylvania canadensis.

See No. 527.

Part 3. The following species have the throat, breast, and belly, yellow, without streaks, and more or less white on the tail feathers:—

Head, neck, and underparts, bright orange yellow; palest on the belly:

back, olive green: rump, gray.

Prothonotary Warbler.

Protonotaria citrea.

See No. 483.



Crown, brownish; underparts, white, faintly tinged with pale yellow; sides, grayish; back and rump, olive brown or grayish brown; a white stripe over the eye.

Swainson's Warbler.

Helinaia swainsonii.

See No. 484.

Underparts, yellow; sides, streaked with black; crown, slaty gray; back and rump, ashy, streaked with black; lores, black.

Kirtland's Warbler.

Dendroica kirtlandi.

See No. 510.

Underparts, yellow, washed with olive on the sides; sides of head and lores, yellow; crown, olive green; back and rump, olive green; under tail coverts, pale yellow.

Hooded Warbler.

Sylvania nigrata.

See No. 525.

Part 4. The following species have the throat, breast, and belly, yellow, without streaks; no white on the tail feathers:—



Crown and sides of head, with more or less black; a yellow stripe over the eye; back and rump, olive green.

Kentucky Warbler.

Geothlypis formosa.

See No. 519.

Part 5. The following species have the throat, yellow; belly, not yellow; tail feathers, marked with more or less white:—

Back, green, streaked with black; outer web of outer tail feather, not edged with white; no yellow stripe over eye; chin, whitish; sides of breast and body, streaked.

Black-poll Warbler.

Dendroica striata (immature).

See No. 504.



Crown, black, with patch of orange yellow in centre; back and rump, black, with more or less white; throat, orange; sides, streaked with black.

Blackburnian Warbler.

Dendroica blackburniae (adult male).

See No. 505.

Throat, yellow; sides of breast, streaked with blackish; crown, olive, dotted with dull black, and usually showing a trace of yellow in centre; **back and rump, olive gray**, streaked with black; **basal portion of narrow outer web of outer tail feather, edged with white.**

Blackburnian Warbler.

Dendroica blackburniae (female and immature).

See No. 505.

Crown, ash gray; forehead, blackish; throat, yellow, bordered by black; sides of breast, streaked with black; **back and rump, slaty gray, not streaked**; no white on **outer web** of outer tail feather.

Yellow-throated Warbler.

Dendroica dominica.

See No. 506.

Crown, back, and rump, green (tinged with gray), without streaks; **two outer tail feathers, with oblique white spots**; lores, yellow.

Pine Warbler.

Dendroica vigorsii.

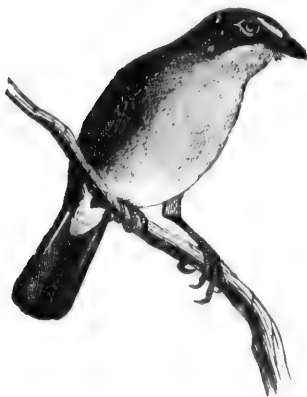
See No. 511.

Crown, olive, more or less speckled with black; back, olive; **rump, yellow, or greenish yellow**; breast, with numerous streaks; no white on outer web of outer tail feather; sides of head and neck, more or less tinged with yellow.

Cape May Warbler.

Dendroica tigrina (immature).

See No. 495.



Throat and breast, bright yellow; lower belly, white; **crown and back, olive green**; lores and eye ring, white; **tail, over 2.50 inches long.**

Yellow-breasted Chat.

Icteria virens.

See No. 524.

Upperparts, gray, streaked with black on the back; **crown, rump, upper throat, and sides of breast, yellow**; breast, grayish, or blackish. Western species are twice recorded from eastern United States.

Audubon's Warbler.

Dendroica auduboni.

See No. 499.

Part 6. The following species have the throat, not yellow; belly, yellow, and no white on the tail feathers:—

Throat, grayish or brownish; **eye ring, white**; back, olive green.

Connecticut Warbler.

Geothlypis agilis.

See No. 520.

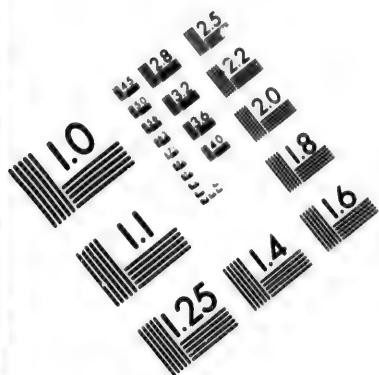
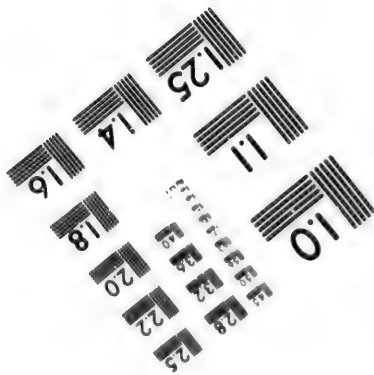
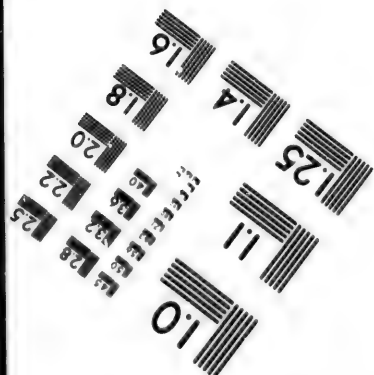
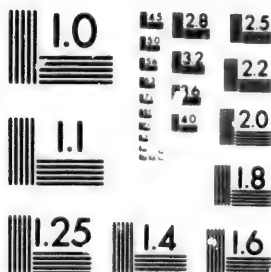
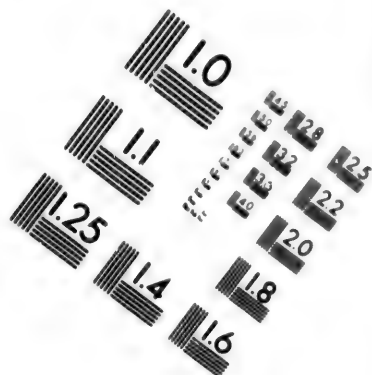
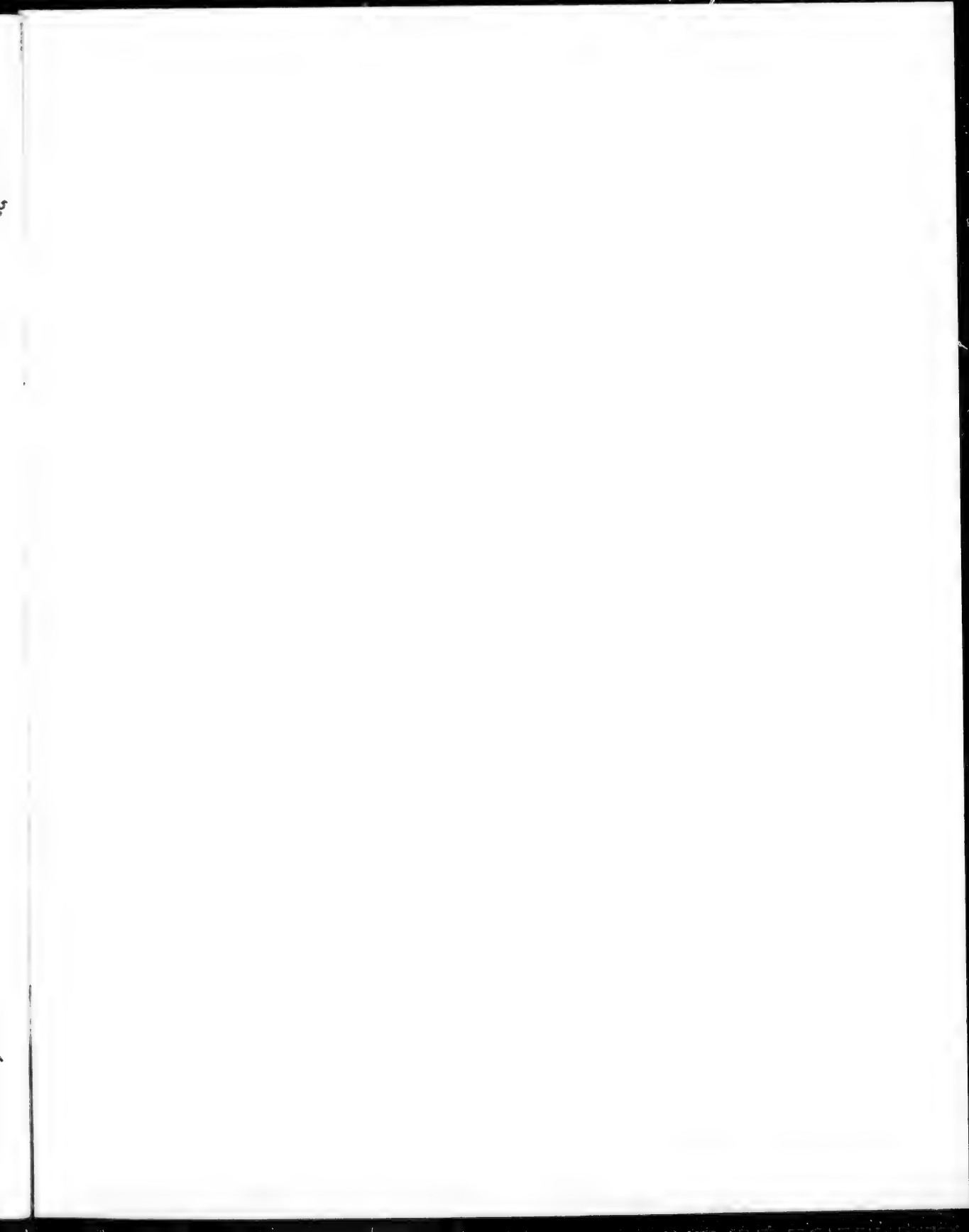
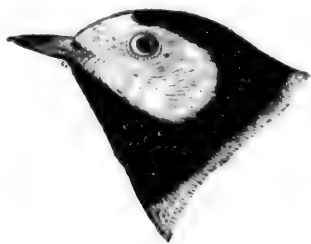


IMAGE EVALUATION TEST TARGET (MT-3)





Part 7. The following species have the throat, not yellow; belly, yellow, and more or less white on the tail feathers:—



Throat, black; forehead and sides of head, yellow; crown, black.

Hooded Warbler.

Sylvania nigrata.

See No. 525.

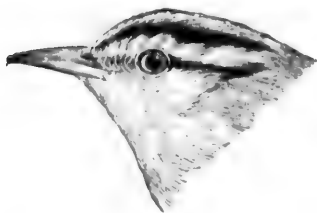
Upper throat, chestnut; breast, streaked with black; back, greenish; rump, yellow; wing coverts, showing much white.

Cape May Warbler.

Dendroica tigrina (adult male).

See No. 495.

Part 8. The following species have the throat, not yellow; belly, not yellow, and no white on the tail feathers; breast, not streaked or spotted with black or dark brown:—

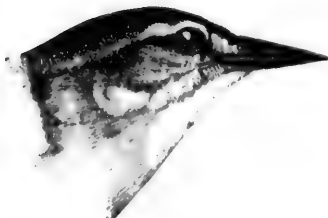


Crown, with stripe of tawny buff, bordered by black stripe; a black stripe through the eye.

Worm Eating Warbler.

Helminthophila vermicorua.

See No. 485.



Crown, dull cinnamon brown; a white stripe over the eye; underparts, white, faintly tinged with yellow; sides, tinged with grayish olive.

Swainson's Warbler.

Helminthophila swainsonii.

See No. 484

Part 9. The following species have the throat, not yellow; belly, not yellow, and no white on the tail feathers; breast, streaked or spotted with black or dark brown: -

Crown and back, olive brown; bill, dark; underparts, white, tinged with yellow, and streaked with black (including throat).

Water Thrush.

Seiurus nuchogavensis, and races.

See No. 516.

Crown and back, olive brown; underparts, white, tinged with buff, and streaked with black; throat, not streaked.

Louisiana Water Thrush.

Seiurus motacilla.

See No. 518.

Crown, brownish orange; back, olive green; bill, pale.

Oven Bird.

Golden-crowned Thrush.

Seiurus aurocapillus.

See No. 515.

Part 10. The following species have the throat, not yellow; belly, not yellow; more or less white on the tail feathers; sides of breast, and body, marked with numerous distinct black or blackish streaks.



Crown, black, with white stripe in the middle; entire plumage, black and white.

Black and White Warbler.

Mniotilta varia.

See No. 482.

Crown and back, grayish olive; **rump, yellowish**; a patch of white near the tips of outer tail feathers on the **inner webs**.

Cape May Warbler.

Dendroica tigrina (immature female).

See No. 495.

Middle of crown, rump, and sides of the breast, more or less yellow.

Myrtle Warbler.

Yellow-rumped Warbler.

Dendroica coronata.

See No. 498.

Crown, back, and rump, dull olive or brownish olive; underparts, buffy or grayish, streaked with brown on breast and sides; **outer tail feathers, mostly white, including the outer web**; hind toe nail, as long as the toe. (This species is not a Warbler, and belongs in Family 8 but it might be mistaken for one by the uninitiated.)

American Pipit.

Titlark.

Anthus pennsylvanicus.

See No. 530.

Crown, dull olive green, dotted with black; back, grayish olive, streaked with black; **rump, like back**; outer tail feather, with patch of white on **inner webs**.

Black-poll Warbler.

Dendroica striata (female).

See No. 504.



Throat, bright orange; a patch of orange on the crown.

Blackburnian Warbler.

Dendroica blackburnia (adult male).

See No. 505.

Part 11. The following species have the throat, not yellow; belly, not yellow; more or less white on the tail feathers; breast and sides of body, not marked with numerous distinct black streaks:—

Throat and sides, chestnut; crown, chestnut.

Bay-breasted Warbler.

Dendroica castanea.

See No. 503.

Throat and sides, more or less chestnut; crown, olive, streaked with black (usually with trace of chestnut); back, grayish olive, streaked with black.

Bay-breasted Warbler.

Dendroica castanea (female).

See No. 503.

Throat and underparts, cream white, shading to pale buff white on flanks; crown and back, green, indistinctly streaked with black; wing bars, white. (Often difficult to distinguish from female of Black-poll Warbler, *D. striata*, which resembles it very closely in immature plumage, but has the underparts, usually yellowish.)

Bay-breasted Warbler.

Dendroica castanea (immature).

See No. 503.

Throat and underparts, dull white; crown and back, grayish olive; wing bars, white, an oblique white spot on inner webs of two outer tail feathers, rest of tail feathers, without white; under tail coverts, whitish.

Pine Warbler.

Dendroica vigorsii (fall, and immature).

See No. 511.



Throat and underparts, whitish, faintly tinged with yellow; breast, with rather indistinctly dusky streaks; crown, grayish olive, usually with an indication of chestnut; back, grayish olive; rump, olive green; under tail coverts, yellow.

Palm Warbler.

Red-poll Warbler.

Dendroica palmarum.

See No. 512.

Group 4. Wing, 3.25 to 3.75 inches long.

Underparts, white, faintly yellowish, streaked, with brownish black; throat, showing more or less dots or streaks; no white on tail feathers.

Grinnell's Water-Thrush.

Seiurus nuchoracensis notabilis.

See No. 517.

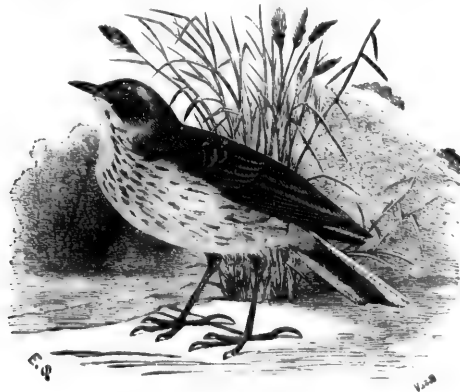
Throat, white; underparts, white, faintly tinged with tawny; breast and sides of body, streaked with dark brown; throat, not streaked; no white on tail feathers.

Louisiana Water-Thrush.

Seiurus motacilla.

See No. 518.

Underparts, grayish white or buffy white, more or less streaked with dark brown; **greater portion of outer tail feathers, white**; hind toe, with claw longer than middle toe, with claw. Belongs in Family Motacillidae, and is very different from a Warbler, but might be mistaken for one by the novice.

**American Pipit.
Titlark.**

Anthus pensilvanicus.

See No. 530.

Throat, faintly yellow; underparts, not streaked; more or less black on cheeks and breast; hind toe nail, straight and long. This species belongs in Family Alaudidae, but is included here as well as in its proper place for the benefit of persons unfamiliar with birds, who might look for it under this section.

Prairie Shore Lark.

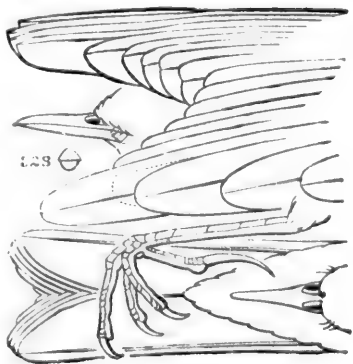
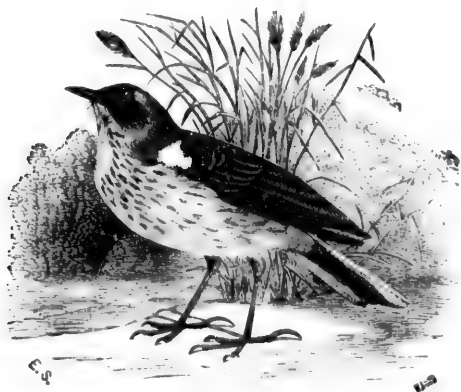
Otocoris pratincola.

See No. 358.

FAMILY MOTACILLIDÆ.

Pipits and Wagtails.

Bill, slender; first primary, not short, the first, second, and third, being about equal in length; hind toe and claw, longer than middle toe and claw; hind toe nail, long, in this somewhat resembling larks, but no tufts of hair-like feathers over nostrils.



Crown, back, and rump, dull olive, or brownish olive; underparts, buffy, or grayish, streaked with brown on throat and sides; **outer tail feather, mostly white, including the outer web;** much less white on second feather; hind toe nail, usually as long as the toe.

American Pipit.
Titlark.

Anthus pensilvanicus.

See No. 530.

FAMILY TROGLODYTIDÆ.

Wrens and Thrashers.

First primary, less than two thirds as long as third; outer tail feathers, decidedly shorter than middle ones, varying from one eighth to one half inch or more shorter in different species.

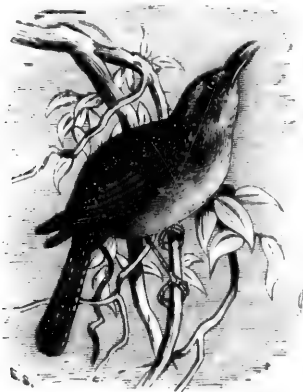
Group 1. Wing, less than 3.25 inches long.

SUBFAMILY TROGLODYTINÆ.

Wrens.

Small, brownish, plain colored birds.

Part 1. The following species have the crown or back without white streaks or dots:—



Thryothorus bewickii.



Outer tail feathers, tipped and marked with grayish white: **primaries, not barred.**

Bewick's Wren.

Thryothorus bewickii.

See No. 538.



Underparts, grayish; belly, grayish, not speckled; outer tail feathers, not broadly tipped with grayish white; tail, over 1.25 inches long; primaries, showing narrow bars.

House Wren.

Troglodytes aedon, and races.

See No. 539.



Underparts, distinctly brownish, dotted and speckled with brown on flanks and abdomen; tail, 1.25 or less; primaries, with narrow bars.

Winter Wren.

Trogodytes hiemalis.

See No. 541.

Part 2. The following species have the crown or back showing more or less white streaks or dots:—



Rump and upper tail coverts, **barred with black**;
bill, shorter than middle toe (without claw).

Short-billed Marsh Wren.

Cistothorus stellaris.

See No. 542.

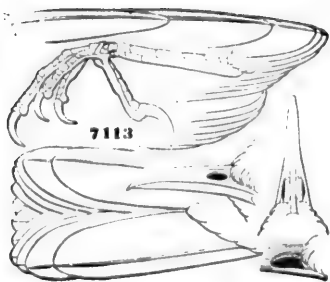
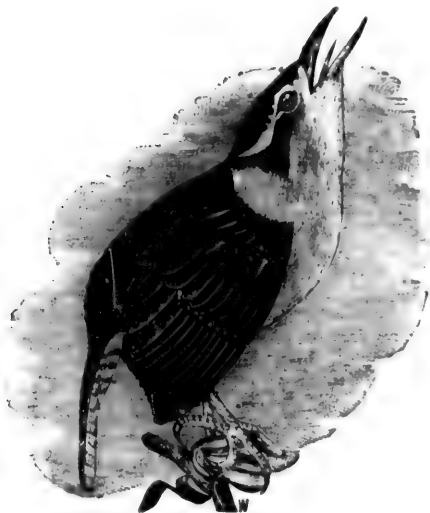


Rump and tail coverts, **without black bars**;
bill, longer than middle toe (without
claws).

Long-billed Marsh Wren.

Cistothorus palustris and varieties.

See No. 543.



Back, chestnut brown; concealed white spots on rump.

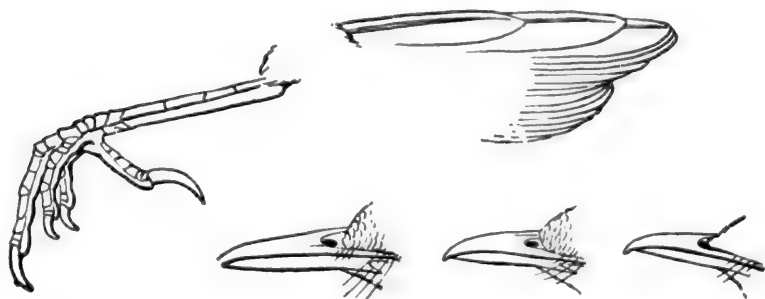
Carolina Wren.

Thryothorus ludovicianus, and races.

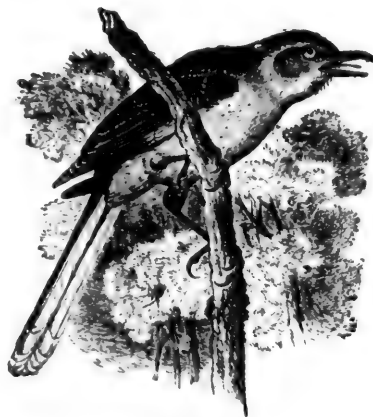
Group 2. Wing, from 3.25 to 5.50 inches long.

SUBFAMILY MIMINÆ.

Thrashers, Cat-birds, Mocking-birds, etc.



Cat-bird.



Mocking-bird.

General plumage, dark slaty gray; underparts, slaty gray; under tail coverts, dark chestnut brown; crown, blackish; first primary, short.

Cat-bird.

Galeoscoptes carolinensis.

See No. 534.

Upper plumage, ashy gray; basal portion of primaries, white, forming a white wing patch; underparts, ashy white, without streaks.

Mocking-bird.

Mimus polyglottus.

See No. 533.



Brown Thrush.

Entire upper plumage, rufous brown; underparts, buffy white, streaked with dark brown; wing coverts, tipped with white; tail, more than four inches long.

Brown Thrush.

Brown Thrasher.

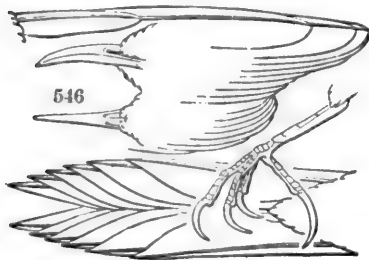
Harporhynchus rufous.

See No. 535.

FAMILY CERTHIIDÆ.

Creepers.

Bill, slender and decurved; tail feathers, stiff and pointed; nostrils, exposed; tarsus, scutellate; first primary, very short. But one species occurs in Eastern North America—a small bird; wing, less than three inches; length, less than six inches.



Tail feathers, stiff and pointed; bill, curved; upper parts, streaked; underparts, white; rump, dull rufous brown.

Brown Creeper.

Certhia familiaris americana.

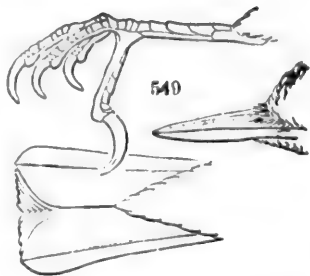
See No. 546.

FAMILY PARIDÆ.

Nuthatches, Titmice, etc.

SUBFAMILY SITTINÆ.

Nuthatches.



Bill, as illustrated; nostrils, concealed by bristly tufts; tarsus, scutellate; first primary, very short; tail feathers, not stiff and pointed. The white-bellied Nuthatch is sometimes mistaken by the novice for a small Woodpecker. If tail feathers are stiff and pointed, look for the bird under Family Picidæ.



Crown, black; back, gray, without white; wings, not heavily spotted with white; **tail feathers, not stiff or pointed**; toes, four, three in front, one behind; wing, 3.50 to 3.75 inches long.

White-breasted Nuthatch.

Sitta carolinensis, and *vaces*.

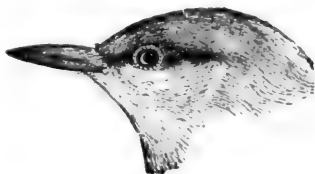
See No. 547.

Bill, more than three eighths inch long; **underparts, pale rufous brown; crown, black** (male); crown, bluish gray (female); wing, 2.60 to 2.85 inches long.

Red-breasted Nuthatch.

Sitta canadensis.

See No. 549.



Bill, more than three eighths inch long; **crown, grayish brown; underparts, dull grayish white**; wing, 2.40 to 2.70 inches long.

Brown-headed Nuthatch.

Sitta pusilla.

See No. 550.

SUBFAMILY PARINÆ.

Titmice and Chickadees.

Small birds, less than 6.50 inches long; wing, less than 3.50 in the largest; first primary, very short and small; bill, short and stout (as illustrated); nostrils, concealed by bristly feathers; throat, 552 black; crown, black; wing, less than 3 inches long (Chickadee), or forehead, black; sides, with rufous brown; wing, over 3 inches long (Titmouse).

Group 1. Wing, less than 3 inches long.



Bill, less than three eighths inch long; **crown and throat, black; greater wing coverts, edged with white**; breast, white; belly and sides, pale buff.

Chickadee.

Black-capped Titmouse.

Parus atricapillus.

See No. 552.

Bill, less than three eighths inch long; **crown and throat, black; greater wing coverts, not edged with white;** breast, white; belly and sides, pale buff.

Carolina Chickadee.

Parus carolinensis.

See No. 553.

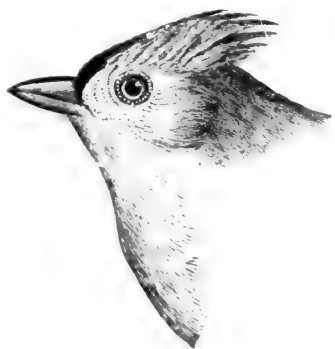
Throat, black; sides of body, chestnut brown.

Hudsonian Chickadee.

Parus hudsonicus.

See No. 554.

Group 2. Wing over 3 inches long.



Throat and underparts, dull white; sides of body, tinged with rufous brown; **crown, gray, with more or less of a crest;** forehead, black, in adults.

Tufted Titmouse.

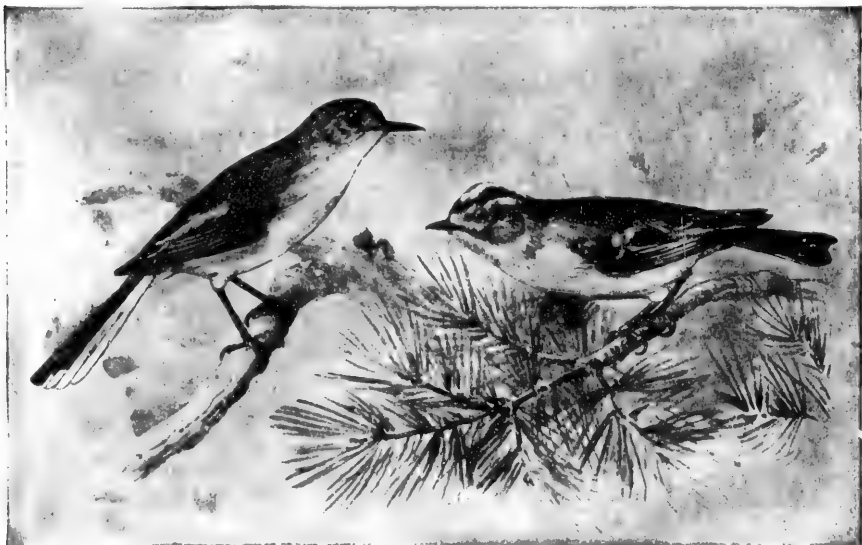
Parus bicolor.

See No. 551.

FAMILY SYLVIIDÆ.

Kinglets and Gnatcatchers.

Size, small; length, less than 4.75 inches; wing, less than 2.50 inches; first primary, very short.



Gnatcatcher.

Kinglet.



Back, bluish gray; outer tail feathers, mostly white.

Blue-gray Gnatcatcher.

Polioptila caerulea.

See No. 557.

Back, olive; no white patch on tail; crown, with patch of bright red (male); crown, olive (female).

Ruby-crowned Kinglet.

Regulus calendula.

See No. 556.



Back, olive; no white patch on tail; crown, with patch of orange edged with yellow and black (male); crown, with yellow patch edged with black (female).

Golden-crowned Kinglet.

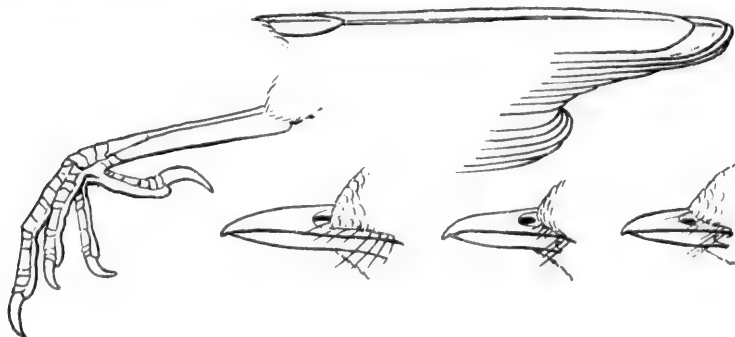
Regulus satrapa.

See No. 555.

FAMILY TURDIDÆ.

Thrushes and Blue-birds.

First primary, very short; tarsus, booted (no scales showing, except near the toes); bill, shorter than head.



Group 1. Wing, from 3.25 to 4.75 inches long.

Part 1. The following species have the underparts more or less streaked or spotted: —



Thrush.



Back, rump, and upper tail coverts, olive, about the same color; eye ring, cheeks, and lores, pale buff; no white on wing coverts.

Olive-backed Thrush.

Turdus ustulatus swainsoni.

See No. 564.



Upper plumage, brownish olive; ends of upper tail coverts and tail, rufous brown, much more rufous than the back; no white on tail: first primary, very small and narrow.

Hermit Thrush.

Turdus aonalaschke pallasii.

See No. 565.



Back, rump, and upper tail coverts, olive, about the same color; eye ring and lores, white, sometimes faintly tinged with buff, but the eye ring never decidedly buff, as in *swainsoni*; no white on wing coverts.

Gray-cheeked Thrush.

Turdus aliciae, and races.

See No. 562.



Crown and back, dull cinnamon brown, shading to brownish olive on the upper tail coverts; breast and belly, marked with round brownish black spots; no white on wing coverts.

Wood Thrush.

Turdus mustelinus.

See No. 559.



Crown, back, and upper tail coverts, pale cinnamon brown, nearly uniform in color; breast and sides of throat, tawny brown, marked with small cinnamon brown spots and streaks; belly, whitish, without spots; no white on wing coverts.

Wilson's Thrush.

Turdus fuscescens.

See No. 560.

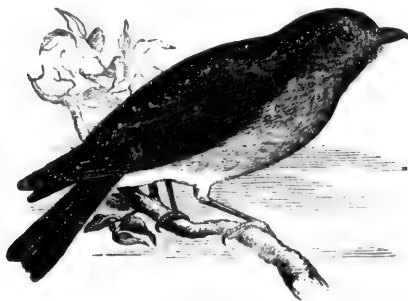
Wings and tail, tinged more or less with **blue** (immature).

Blue-bird.

Sialia sialis.

See No. 570.

Part 2. The following species have no streaks or spots on the under-parts: --



Blue bird.

Upper plumage, blue; breast and sides of body, cinnamon rufous; belly, white (male).

Blue-bird.

Sialia sialis.

See No. 570.

Upper plumage, ashy gray, with bluish tinge, shading to blue on rump, tail, and wings; breast and sides, pale cinnamon brown; belly, white (female).

Blue-bird.

Sialia sialis.

See No. 570.



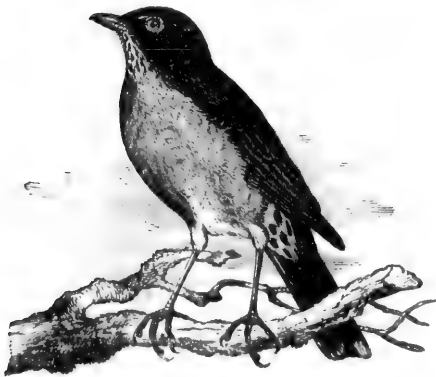
Wheatear.

Upper plumage, grayish buff; underparts, pale buff; basal **two thirds of tail feathers**, except middle pair, **white**; the rest, black; upper tail coverts, white; tail, under three inches long. The Wheatear is an Old World species which occurs in Greenland and Labrador. Stragglers have been taken in Nova Scotia, Maine, and Long Island.

Wheatear.
Stone Chat.

Saxicola cinerea.
See No. 569.

Group 2. Wing, from 4.75 to 5.50 inches long.



Upper plumage, grayish olive; throat, **white, streaked with black**; rest of **underparts** (except lower belly), **pale chestnut rufous**; **young birds** have the **underparts spotted**.

Robin.
American Robin.
Merula migratoria.
See No. 567.

A LIST

OF THE

BIRDS OF EASTERN NORTH AMERICA.

WATER BIRDS.

ORDER PYGOPODES.

Diving Birds.

Suborder PODICIPIDES. Grebes.

A. O. U.
NO.

GENUS **COLYMBUS.** LINN.

- 1 (2) **COLYMBUS HOLBOELLII.** (REINH.) **Holboell's Grebe.**
General, North America; breeds north of the United States.

SUBGENUS **DYTES.** KAUP.

- 2 (3) **COLYMBUS AURITUS.** (LINN.) **Horned Grebe.**
"Northern Hemisphere; breeds from northern United States northward."
(A. O. U.)

- 3 (4) **COLYMBUS NIGRICOLLIS CALIFORNICUS.** (HEERM.) **American Eared Grebe.**
Ranges from Mississippi Valley, westward. Does not occur in the Atlantic States. (Illinois, RIDGWAY.)

GENUS **PODILYMBUS.** LESS.

- 4 (6) **PODILYMBUS PODICEPS.** (LINN.) **Pied-billed Grebe.**
General, North America; West Indies in winter; breeds throughout range.

Suborder CEPPHI. Loons and Auks.

FAMILY GAVIIDÆ. Loons.

GENUS **GAVIA.** FORSTER.

- 5 (7) **GAVIA IMBER.** (GUNN.) **Loon.**
Northern part of Northern Hemisphere; south in winter to Gulf of Mexico.

A. O. U.

NO.

- 6 (9) **GAVIA ARCTICA.** (LINN.) **Black-throated Loon.**
Northern species rare, or casual on northern Atlantic coast of United States in winter.
- 7 (11) **GAVIA LUMME.** (GUNN.) **Red-throated Loon.**
North America; south, in winter, to Gulf of Mexico.

FAMILY ALCIDÆ. Auks, Murres, and Puffins.**Subfamily FRATERCULINÆ. Puffins.****GENUS LUNDA. PALLAS.**

- 8 (12) **LUNDA CIRRATA.** PALL. **Tufted Puffin.**
Pacific species, claimed by Audubon to have once been taken on coast of Maine; no other record.

GENUS FRATERCULA. BRISS.

- 9 (13) **FRATERCULA ARCTICA.** **Puffin.**
North Atlantic coast, breeding from Bay of Fundy northward; casual to Long Island, in winter.
- 10 (13a) *Fratercula arctica glacialis.* (TEMN.) **Large-billed Puffin.**
A race of the common Puffin, which occurs in the Arctic Ocean, Spitzbergen to Greenland. It is larger, but otherwise similar.

GENUS CEPPHUS. PALLAS.

- 11 (27) **CEPPHUS GRYLLE.** (LINN.) **Black Guillemot.**
Coast of Maine, Labrador, and Newfoundland; south, in winter, to Long Island.
- 12 (28) **CEPPHUS MANDTII.** LICHT. **Mandt's Guillemot.**
Arctic regions; south in winter to Massachusetts.

Subfamily ALCINÆ.**GENUS URIA. BRISS.**

- 13 (30) **URIA TROILE.** (LINN.) **Murre.**
Northern North America; south in winter to New England.
- 14 (31) **URIA LOMVIA.** (LINN.) **Brunnich's Murre.**
North Atlantic coast to Arctic Ocean; south in winter to New Jersey.

GENUS ALCA. LINN.

- 15 (32) **ALCA TORDA.** LINN. **Razor-billed Auk.**
North Atlantic coast; in winter to Long Island; accidental as far south as North Carolina.

GENUS PLAUTUS. BRÜNN.

- 16 (33) **PLAUTUS IMPENNIS.** **Great Auk.**
Formerly North Atlantic coast, now extant.

Subfamily ALLINÆ. Dovekies.A. O. U.
NO.

GENUS ALLE. LINK.

- 17 (34) **ALLE ALLE.** (LINN.) Dovekie. Little Auk.
Coast of North Atlantic from eastern Arctic Ocean; south in winter to Long Island.

ORDER LONGIPENNES.**Long-winged Swimmers.****FAMILY STERCORARIIDÆ. Skuas and Jægers.**

GENUS MEGALESTRIS. BONAP.

- 18 (35) **MEGALESTRIS SKUA.** (BRÜNN.) Skua.
North Atlantic; south to Carolina; rare on Atlantic coast of United States.

GENUS STERCORARIUS. BRISS.

- 19 (36) **STERCORARIUS POMARINUS.** (TEMN.) Pomarine Jæger.
North America.
- 20 (37) **STERCORARIUS PARASITICUS.** (LINN.) Parasitic Jæger.
North America; ranges in winter to South America.
- 21 (38) **STERCORARIUS LONGICAUDUS.** (VIEILL.) Long-tailed Jæger.
North America; south in winter to Gulf of Mexico.

FAMILY LARIDÆ. Gulls and Terns.**Subfamily LARINÆ. Gulls.**

GENUS PAGOPHILA. KAUP.

- 22 (39) **PAGOPHILA ALBA.** (GUNN.) Ivory Gull.
Rare winter visitant to New Brunswick and probably northern New England.

GENUS RISSA. STEPH.

- 23 (40) **RISSA TRIDACTYLA.** (LINN.) Kittiwake Gull.
Arctic regions; south in winter to Middle States.

GENUS LARUS. LINN.

- 24 (42) **LARUS GLAUCUS.** BRÜNN. Glaucous Gull.
Arctic regions; south to Long Island in winter.
- 25 (43) **LARUS LEUCOPTERUS.** FABER. Iceland Gull.
Arctic Regions; south to southern New England in winter.
- 26 (45) **LARUS KUMLIENI.** BREWST. Kumlien's Gull.
Northern species; south in winter to New England and casually to Middle States.

A. O. U.

80.

- 27 (47) **LARUS MARINUS.** LINN. **Great Black-backed Gull.**
North Atlantic Ocean; south in winter to Middle States; accidental in Florida.
- 28 (50) **LARUS UFFINUS.** REINH. **Siberian Gull.**
Old world species; recorded from Greenland.
- 29 (51) **LARUS ARGENTATUS.** BRÜNN. **Herring Gull.**
European species; accidental on Atlantic coast of North America.
- 30 (51a) *Larus argentatus smithsonianus.* COUES. **American Herring Gull.** North America; generally south to Cuba in winter; the common species of our bays and coast; breeds from Maine northward.
- 31 (54) **LARUS DELAWARENSIS.** ORD. **Ring-billed Gull.**
General, North America; south to Gulf of Mexico in winter.
- 32 (56) **LARUS CANUS.** LINN. **Mew Gull.**
European species recorded from Labrador (one record).
- 33 (58) **LARUS ATRICILLA.** LINN. **Laughing Gull.**
Atlantic coast of United States; north in summer to Maine and Nova Scotia; in winter, southern United States, West Indies, and northern South America.
- 34 (59) **LARUS FRANKLINII.** SW. AND RICH. **Franklin's Gull.**
Not common east of the Mississippi River; not found on the Atlantic coast.
- 35 (60) **LARUS PHILADELPHIA.** (ORD.) **Bonaparte's Gull.**
North America; generally breeds north of United States.
- 36 (60a) **LARUS MINUTUS.** PALL. **Little Gull.**
European species; only once taken on our coast.
- GENUS **RHODOSTETHIA.** MACGIL.
- 37 (61) **RHODOSTETHIA ROSEA.** (MACGIL.) **Ross's Gull.**
Arctic species; recorded from Alaska and Greenland.
- GENUS **XEMA.** LEACH.
- 38 (62) **XEMA SABINII.** (SAB.) **Sabine's Gull.**
Arctic regions; south in winter to Long Island; rare.

Subfamily STERNINÆ. Terns.

GENUS **GELOCHELIDON.** BREHM.

- 39 (63) **GELOCHELIDON NILOTICA.** (HASSELQ.) **Gull-billed Tern.**
Throughout North America; summer, north to southern New England, winter, south to Brazil.

GENUS **STERNA.** LINN.

SUBGENUS **THALASSEUS.** BOIE.

- 40 (64) **STERNA CASPIA.** PALLAS. **Caspian Tern.**
Whole of North America; cosmopolitan species; breeds on middle Atlantic coast; also Pacific coast and interior.

A. O. U.
NO.SUBGENUS **ACTOCHELIDON**. KAUP.

- 41 (65) **STERNA MAXIMA**. BODD. **Royal Tern**.
Southern Atlantic coast, Georgia, Florida, and the Gulf States; casual in summer, north to Massachusetts.
- 42 (67) **STERNA SANDVICENSIS ACUFLAVIDA**. (CABOT.) **Cabot's Tern**.
Southern coast of United States, West Indies, and Central America, north to North Carolina in summer; accidental in New England.
- 43 (68) **STERNA TRUDEAUI**. AUD. **Trudeau's Tern**.
South American species; stragglers have been taken on the Atlantic coast of United States.
- 44 (69) **STERNA FORSTERI**. NUTT. **Forster's Tern**.
North America, in general; in winter to West Indies and South America; breeds from Virginia to Manitoba.
- 45 (70) **STERNA HIRUNDO**. LINN. **Common Tern**. "**Mackerel Gull**."
Throughout eastern North America; breeds nearly throughout its range, from Arctic Ocean to Florida; winters from Virginia southward.
- 46 (71) **STERNA PARADISÆA**. BRÜNN. **Arctic Tern**.
North America from Arctic Ocean to North Carolina; breeds from Massachusetts northward.
- 47 (72) **STERNA DOUGALLI**. MONTAG. **Roseate Tern**.
Southern coast of United States; north in summer to New England; accidental in Nova Scotia.

SUBGENUS **STERNULA**. BOIE.

- 48 (74) **STERNA ANTILLARUM**. (LESS.) **Least Tern**.
Southern coast of United States and northern South America; in summer north to New England; accidental in Labrador; breeds throughout its range.

SUBGENUS **ONICOPRION**. WAGLER.

- 49 (75) **STERNA FULIGINOSA**. GMEL. **Sooty Tern**.
Semi-tropical species, common in the West Indies; in summer north to North Carolina; accidental in New England.
- 50 (76) **STERNA ANÆTHETUS**. SCOP. **Bridled Tern**.
Tropical species, accidental on Florida coast; South Carolina, one record.

GENUS **HYDROCHELIDON**. BOIE.

- 51 (77) **HYDROCHELIDON NIGRA SURINAMENSIS**. (GMEL.) **Black Tern**.
North America; breeds from Middle States in the interior northward to the fur countries.
- 52 (78) **HYDROCHELIDON LEUCOPTERA**. (MEISN. AND SCHINZ.) **White-winged Black Tern**.
European species, of accidental occurrence in the United States; Wisconsin, one record.

A. O. U.

GENUS **ANOUS**. STEPHENS.

- 53 (79) **ANOUS STOLIDUS**. (LINN.) **Noddy**.
South Atlantic States of United States; common in the West Indies.

FAMILY RHYNCHOPIDÆ. Skimmers.GENUS **RHYNCHOPS**. LINN.

- 54 (80) **RHYNCHOPS NIGRA**. LINN. **Black Skimmer**.
Coasts of the United States south of Virginia; casual to New England.

ORDER TUBINARES.**Tube-nosed Swimmers.****FAMILY DIOMEDEIDÆ. Albatrosses.**GENUS **DIOMEDEA**. LINN.

- 55 (81) **DIOMEDEA EXULANS**. LINN. **Wandering Albatross**.
Species common to southern seas; claimed to have been seen at Tampa Bay, Florida.

GENUS **THALASSOGERON**. (GOULD)

- 56 (83) **THALASSOGERON CULMINATUS**. (GOULD) **Yellow-nosed Albatross**.
South Pacific species, accidental in eastern North America. St. Lawrence River, one record.

FAMILY PROCELLARIIDÆ. Fulmars and Shearwaters.Subfamily **FULMARINÆ**. COUES.GENUS **FULMARUS**. STEPH.

- 57 (86) **FULMARUS GLACIALIS**. (LINN.) **Fulmar**.
North Atlantic Ocean, south on coast of United States to Long Island.
- 58 (86a) *Fulmarus glacialis minor*. KJERBELLING. **Lesser Fulmar**.
A small race differing from *Glacialis* only in size; range about the same.

Subfamily **PUFFININÆ**.GENUS **PUFFINUS**. BRISSON.

- 59 (88) **PUFFINUS BOREALIS**. CORY. **Cory's Shearwater**.
Known to occur only on coast of Massachusetts and Long Island; winter and breeding range unknown.*
- 60 (89) **PUFFINUS MAJOR**. FABER. **Greater Shearwater**.
Atlantic Ocean, coasts of both North and South America.

* By some authors supposed to be similar to *P. kuhlii*, but *borealis* is larger and the feet in life differently colored.

A. O. U.
NO.

- 61 (90) **PUFFINUS PUFFINUS.** (BRÜNN.) **Manx Shearwater.**
European species; accidental on the Atlantic coast.
- 62 (92) **PUFFINUS AUDUBONI.** FINCH. **Audubon's Shearwater.**
Tropical species; common in West Indies; casual on Florida coast; accidental as far north as New Jersey.
- 63 (94) **PUFFINUS FULIGINOSUS.** STRICK. **Sooty Shearwater. Haglet.**
South Atlantic species; ranging in summer north to coast of United States; New England; common.

GENUS **ÆSTRELATA.** BONAP.

- 64 (98) **ÆSTRELATA HASITATA.** (KÜHL.) **Black-capped Petrel.**
Tropical and semi-tropical portions of the Atlantic Ocean; accidental in the United States; numerous records.
- 65 (99) **ÆSTRELATA SCALARIS** BREWST. **Scaled Petrel.**
Rare straggler; habitat unknown; one specimen known, taken in western New York.

GENUS **BULWERIA.** BONAP.

- 66 (101) **BULWERIA BULWERI.** (JARD. AND SELBY.) **Bulwer's Petrel.**
Old world species; accidental in Greenland.

Subfamily PROCELLARIINÆ. Coues.GENUS **PROCELLARIA.** LINN.

- 67 (104) **PROCELLARIA PELAGICA.** LINN. **Stormy Petrel.**
Atlantic ocean; Newfoundland banks not uncommon, but rarely seen near land.

GENUS **OCEANODROMA.** REICHENBACH.

- 67a (106²) **OCEANODROMA CRYPTOLEUCA.** (RIDGW.) **Hawaiian Petrel.**
Pacific species; accidental in United States; Washington, D.C., one record.
- 68 (106) **OCEANODROMA LEUCORHOA.** (VIEILL.) **Leach's Petrel.**
Northern portions of Atlantic and Pacific Oceans; breeding on Atlantic coast from Maine northward; in winter, south to Virginia.

Subfamily OCEANITINÆ. Coues.GENUS **OCEANITES.** KEYS. AND BLASIUS.

- 69 (109) **OCEANITES OCEANICUS.** (KÜHL.) **Wilson's Petrel.**
Atlantic Ocean; common off coast of United States in summer.

GENUS **CYMODROMA.** RIDGW.

- 70 (110) **CYMODROMA GRALLARIA.** (VIEILL.) **White-bellied Petrel.**
Tropical species; once taken near St. Marks, Florida.

GENUS **PELAGODROMA.** REICH.

- 71 (111) **PELAGODROMA MARINA.** (LATH.) **White-faced Petrel.**
South Atlantic species; accidental off coast of Massachusetts.

ORDER STEGANOPODES.

Totopalmate Swimmers.

FAMILY PHAËTHONTIDÆ. Tropic Birds.

A. O. U.
NO.

GENUS PHAËTHON. LINN.

- 72 (112) **PHAËTHON AMERICANUS.** GRANT. **Yellow-billed Tropic Bird.**
Common in West Indies, where it breeds off Florida coast in summer;
accidental in New York (one record).
- 73 (113) **PHAËTHON ÆTHEREUS.** LINN. **Red-billed Tropic Bird.**
Accidental on Newfoundland Banks.

FAMILY SULIDÆ. Gannets.

GENUS SULA. BRISS.

- 74 (114) **SULA CYANOPS.** SUND. **Blue-faced Booby.**
Accidental on Florida coast; not uncommon in West Indies.
- 75 (115) **SULA SULA.** (LINN.) **Booby.**
Tropical species; common in West Indies; coast of Florida, in summer;
accidental, north to Long Island.
- 76 (116) **SULA PISCATOR.** (LINN.) **Red-footed Booby.**
Tropical species; accidental on Florida coast.
- SUBGENUS DYSPORUS. ILLIGER.
- 77 (117) **SULA BASSANA.** (LINN.) **Gannet.**
Coasts of North Atlantic Ocean; south, in winter, to Florida and Gulf of
Mexico; breeds from shores of Nova Scotia and Gulf of St. Lawrence,
northward.

FAMILY ANHINGIDÆ. Darters.

GENUS ANHINGA. BRISS.

- 78 (118) **ANHINGA ANHINGA.** (LINN.) **Anhinga.**
Tropical America; common in Florida; casual, north to South Carolina;
accidental in Illinois.

FAMILY PHALACROCORACIDÆ. Cormorants.

GENUS PHALACROCORAX. BRISS.

- 79 (119) **PHALACROCORAX CARBO.** (LINN.) **Cormorant.**
North Atlantic; south to Carolinas, in winter; at one time bred from
Massachusetts, northward; now becoming much less numerous, and
breeding range restricted to few localities.

A. O. U.

NO.

- 80 (120) **PHALACROCORAX DILOPHUS.** (SW. AND RICH.) **Double-crested Cormorant.**
Eastern North America; south, in winter, to Georgia and northern Florida;
breeds from Bay of Fundy, northward.
- 81 (120a) *Phalacrocorax dilophus floridanus.* (AUD.) **Florida Cormorant.**
A small race of the preceding species, inhabiting Southern States; common
in Florida and Gulf States; north in Mississippi Valley to Illinois.
- 82 (121) **PHALACROCORAX MEXICANUS.** (BRANDT.) **Mexican Cormorant.**
Southern species; casual in Mississippi Valley to Illinois; not uncommon
in Cuba, and is claimed to occur on west coast of Florida.

FAMILY PELECANIDÆ. Pelicans.GENUS **PELECANUS.** LINN.

- 83 (125) **PELECANUS ERYTHORHYNCHOS.** GMEL. **American White Pelican.**
Gulf coast of United States; breeds in the interior from Minnesota, north-
ward; rare on Atlantic coast, except Florida, where it still occurs in
some numbers; accidental in New England.
- 84 (126) **PELECANUS FUSCUS.** LINN. **Brown Pelican.**
Abundant in Florida and portions of Gulf coast; north in summer to the
Carolinas; accidental in New England and Illinois.

FAMILY FREGATIDÆ. Man-o'-War Birds.GENUS **FREGATA.** BRISS.

- 85 (128) **FREGATA AQUILA.** (LINN.) **Man-o'-War Bird.**
Tropical and sub-tropical seas; common on coast of Florida; accidental
north to New England; Nova Scotia (one record).

ORDER ANSERES.**Lamellirostral Swimmers.****FAMILY ANATIDÆ. Ducks, Geese, and Swans.****Subfamily MERGINÆ. Mergansers.**GENUS **MERGANSER.** BRISS.

- 86 (129) **MERGANSER AMERICANUS.** (CASS.) **American Merganser. Sheldrake.**
General North America; breeds south to Pennsylvania; casual in Florida
in winter.
- 87 (130) **MERGANSER SERRATOR.** (LINN.) **Red-breasted Merganser. Sheldrake.**
General, North America; south in winter to the Gulf States and Cuba.

A. O. U.
NO.GENUS **LOPHODYTES**. REICH.

- 88 (131) **LOPHODYTES CUCULLATUS**. (LINN.) **Hooded Merganser**.
General, North America; south in winter to Gulf States and Cuba; breeds throughout its range.

Subfamily ANATINÆ. River Ducks.GENUS **ANAS**. LINN.

- 89 (132) **ANAS BOSCHAS**. LINN. **Mallard Duck**.
Northern North America; south in winter to Gulf Coast, Florida, and Cuba.
- 90 (133) **ANAS OBSCURA**. GMEL. **Black Duck**.
Eastern North America, from Mississippi Valley to Labrador; breeds from northern border of United States northward; south in winter to Florida and Gulf coast.
- 91 (134) **ANAS FULVIGULA**. RIDGW. **Florida Duck. Florida Black Duck**.
Florida and Gulf coast, west to Louisiana.

SUBGENUS **CHAULELASMUS**. BONAP.

- 92 (135) **ANAS STREPERA**. LINN. **Gadwall**.
Widely distributed species occurring in Europe and Africa; throughout North America; breeds in interior of United States.

SUBGENUS **MARECCA**. STEPH.

- 93 (136) **ANAS PENELOPE**. LINN. **Widgeon. European Widgeon**.
European species; often taken on our coast.
- 94 (137) **ANAS AMERICANA**. GMEL. **American Widgeon. Baldpate**.
Throughout North America, from Arctic Ocean to Gulf coast; breeds north of United States.

SUBGENUS **NETTION**. KAUP.

- 95 (138) **ANAS CRECCA**. LINN. **European Teal**.
Accidental in eastern North America; New England, several records.
- 96 (139) **ANAS CAROLINENSIS**. GMEL. **Green-winged Teal**.
North America; south in winter to Central America and Cuba; breeds north of United States.

SUBGENUS **QUERQUEDULA**. STEPH.

- 97 (140) **ANAS DISCORS**. LINN. **Blue-winged Teal**.
Throughout eastern North America; West Indies and South America in winter; breeds as a rule in interior from Illinois northward.
- 98 (141) **ANAS CYANOPTERA**. VIEILL. **Cinnamon Teal**.
Western species, which occasionally occurs in Mississippi Valley and Western Florida.

GENUS **SPATULA**. BOIE.

- 99 (142) **SPATULA CLYPEATA**. (LINN.) **Shoveller Duck. Broad-bill**.
North America; abundant in winter in Southern States.

A. O. U.
NO.GENUS **DAFILA**. STEPH.

- 100 (143) **DAFILA ACUTA**. LINN. **Pintail Duck. Sprigtail.**
North America; breeding from northern portions of northern States northward; south in winter to Cuba.

GENUS **AIX**. BOIE.

- 101 (144) **AIX SPONSA**. (LINN.) **Wood Duck. Summer Duck.**
Temperate North America; south in winter to Cuba; breeds throughout its range.

Subfamily FULIGULINÆ. Sea Ducks.GENUS **NETTA**. KAUP.

- 102 (145) **NETTA RUFINA**. (PALL.) **Rufous-crested Duck.**
European species; New York, one record.

GENUS **AYTHYA**. BOIE.

- 103 (146) **AYTHYA AMERICANA**. (EYT.) **Red-head Duck.**
North America in general; breeds from northern portions of United States northward.
- 104 (147) **AYTHYA VALLISNERIA**. (WILS.) **Canvas-back Duck.**
North America in general; breeds from Minnesota north and west to Alaska; not common on New England coast, but abundant about Chesapeake Bay and Carolina coasts; casual, south in winter to Florida and Cuba.

SUBGENUS **FULIGULA**. STEPH.

- 105 (148) **AYTHYA MARILA**. (LINN.) **American Scaup Duck. Blue-bill or Black-head.**
Throughout North America; breeds north of United States.
- 106 (149) **AYTHYA AFFINIS**. (EYT.) **Lesser Scaup Duck. Blue-bill or Black-head.**
Ranges throughout North America; south in winter to West Indies; abundant in Florida.
- 107 (150) **AYTHYA COLLARIS**. (DONOV.) **Ring-necked Duck.**
Throughout North America; in winter south to West Indies; breeds far north.

GENUS **GLAUCIONETTA**. STEPH.

- 108 (151) **GLAUCIONETTA CLANGULA AMERICANA**. (BONAP.) **American Golden-eye Duck. Whistler.**
North America; breeding from northern New England northward; south in winter to the Gulf coast and Cuba.
- 109 (152) **GLAUCIONETTA ISLANDICA**. (GMEL.) **Barrow's Golden-eye Duck.**
Northern North America; breeding from Gulf of St. Lawrence northward; south in winter to New York; not common on New England coast.

A. O. U.
NO.GENUS **CHARITONETTA**. STEJN.

- 110 (153) **CHARITONETTA ALBEOLA**. (LINN.) **Buffle-head Duck. Dipper.**
North America; south in winter to Florida and Cuba; breeds from
Maine northward.

GENUS **CLANGULA**. LEACH.

- 111 (154) **CLANGULA HYEMALIS**. (LINN.) **Old Squaw. Long-tailed Duck.**
Northern portion of North America; breeding far north; south in winter
to Middle States; casual in Florida.

GENUS **HISTRIONICUS**. LESS.

- 112 (155) **HISTRIONICUS HISTRIONICUS**. (LINN.) **Harlequin Duck.**
Northern North America; breeds from Newfoundland, northward; in
winter, south to Middle States; accidental in Florida.

GENUS **CAMPTOLÆMUS**. GRAY.

- 113 (156) **CAMPTOLÆMUS LABRADORIUS**. (GMEL.) **Labrador Duck.**
Probably extinct; formerly, North Atlantic coast, breeding from Lab-
rador, northward.

GENUS **ENICONETTA**. GRAY.

- 114 (157) **ENICONETTA STELLERI**. (PALL.) **Steller's Duck.**
Arctic species, which occurs in Greenland.

GENUS **SOMATERIA**. LEACH.

- 115 (159) **SOMATERIA MOLLISSIMA BOREALIS**. (BREHM.) **Northern Eider Duck.**
Northeastern North America; south, in winter, to Massachusetts.
116 (160) **SOMATERIA DRESSERI**. SHARPE. **American Eider Duck.**
Atlantic coast of North America; south, in winter, to Delaware; breeds
from Maine, northward.

SUBGENUS **ERIONETTA**. COUES.

- 117 (162) **SOMATERIA SPECTABILIS**. (LINN.) **King Eider Duck.**
Northern species; in winter, south to New England; accidental as far
south as Georgia; breeds in the far north.

GENUS **OIDEMIA**. FLEMING.

- 118 (163) **OIDEMIA AMERICANA**. SW. AND RICH. **American Scoter Duck. Velvet Scoter. Butter-bill Coot.**
Breeds from Labrador, northward; occurs both on coast and inland
lakes; south to Florida, in winter. One of the Coots of New
England gunners.
119 (164) **OIDEMIA FUSCA**. (LINN.) **Black Scoter.**
European species, recorded from Greenland.

A. O. U.
NO.SUBGENUS **MELANITTA**. BOIE.

- 120 (165) **OIDEMIA DEGLANDI**. BONAP. **White-winged Scoter Duck. White-winged Coot.**

Northern North America, breeding from Labrador, northward; south, in winter, to North Carolina; common on New England coast during migrations.

- 121 (166) **OIDEMIA PERSPICILLATA**. (LINN.) **Surf Scoter Duck. Skunk-head Coot.**

Northern North America, on both Atlantic and Pacific coasts, and interior lakes; breeds far north; south, in winter, to Florida; accidental in Cuba and Jamaica; a common Coot of New England gunners.

GENUS **ERISMATURA**. BONAP.

- 122 (167) **ERISMATURA JAMAICENSIS**. (GMEL.) **Ruddy Duck.**

Ranges throughout North America, breeding nearly throughout its range; winters in the Southern States and along Gulf; common in Florida; also in West Indies, and northern South America.

GENUS **NOMONYX**. RIDGW.

- 123 (168) **NOMONYX DOMINICUS**. (LINN.) **Masked Duck.**

Tropical species; accidental in eastern United States; specimens have been taken in New York, Wisconsin, and Massachusetts.

Subfamily **ANSERINÆ**. Geese.GENUS **CHEN**. BOIE.

- 124 (169) **CHEN HYPERBOREA**. (PALL.) **Lesser Snow Goose.**

Rare in eastern United States; accidental on New England coast; occurs in Illinois; common on Pacific coast; breeds in Alaska.

- 125 (169a) *Chen hyperborea nivalis*. (FORST.) **Greater Snow Goose.**

Eastern race of preceding species, the principal difference being in size; exact breeding range unknown; winters on Atlantic coast from Virginia to Cuba.

- 126 (169¹) **CHEN CÆRULESCENS**. (LINN.) **Blue Goose.**

Little known species, breeding about Hudson Bay, migrating south in winter, through Mississippi Valley to Gulf coast; apparently not common anywhere.

GENUS **ANSER**. BRISS.

- 127 (171) **ANSER ALBIFRONS**. (GMEL.) **White-fronted Goose.**

European species; recorded from Greenland.

- 128 (171a) *Anser albifrons gambeli*. (HARTL.) **American White-fronted Goose.**

Larger than European species; occurs throughout North America; breeding far north and ranging, winter, south to Mexico and Cuba.

A. O. U.
NO.GENUS **BRANTA**. SCOPOLI.**129** (172) **BRANTA CANADENSIS**. LINN. **Canada Goose.**

Temperate North America; breeding in Northern United States and British Provinces; ranges in winter as far south as Mexico and Jamaica; winters in great numbers on Atlantic coast, south of Virginia.

130 (172a) *Branta canadensis hutchinsii*. (SW. AND RICH.) **Hutchins's Goose.**
Similar to the Canada Goose, but smaller; wing usually less than 16 inches long (carpus to tip); western species rare, east of Mississippi Valley.**131** (172c) *Branta canadensis minima*. RIDGW. **Cackling Goose.**
A still smaller race; wing, rarely over 14.50; underparts darker, having the breast and upper belly tinged with brownish; Pacific species casual as far east as Wisconsin; not recorded farther east than Illinois.**132** (173) **BRANTA BERNICLA**. (LINN.) **Brant.**
From Arctic Circle where it breeds; south in eastern North America to Georgia; accidental in Florida.**133** (174) **BRANTA NIGRICANS**. (LAWR.) **Black Brant.**
Western species, occasionally taken on Atlantic coast.**134** (175) **BRANTA LEUCOPSIS**. (BECHST.) **Barnacle Goose.**
The European Barnacle Goose occurs in Greenland; it is rare on Atlantic coast of United States. The white on forehead and sides of head and chin will always distinguish it from American species.**Subfamily CYGNINÆ. Swans.**GENUS **OLOR**. WAGLER.**135** (179) **OLOR CYGNUS**. (LINN.) **Whooping Swan.**
Old world species which occurs in Greenland, but not elsewhere in North America. It has the base of the mandible and bare loreal skin yellow.**136** (180) **OLOR COLUMBIANUS**. (ORD.) **Whistling Swan.**
Whole of North America; breeding far north; common on coast of Virginia and Carolinas in winter.**137** (181) **OLOR BUCCINATOR**. (RICH.) **Trumpeter Swan.**
Western species; rare on Atlantic coast of United States; Illinois.

ORDER ODONTOGLOSSÆ.**Lamellirostral Grallatores.****FAMILY PHÆNICOPTERIDÆ. Flamingoes.**A. O. U.
NO.GENUS **PHÆNICOPTERUS.** LINN.

- 138 (182) **PHÆNICOPTERUS RUBER.** (LINN.) **American Flamingo.**

Tropical species; a small colony exists in southern Florida.

ORDER HERODIONES.**Herons, Ibises, Spoonbills, etc.****Suborder IBIDES. Spoonbills and Ibises.****FAMILY PLATALEIDÆ. Spoonbills.**GENUS **AJAJA.** REICH.

- 139 (183) **AJAJA AJAJA.** (LINN.) **Roseate Spoonbill.**

Tropical species; ranges throughout South America; resident in Gulf States and Florida.

FAMILY IBIDIDÆ. Ibises.GENUS **GUARA.** REICH.

- 140 (184) **GUARA ALBA.** (LINN.) **White Ibis.**

South Atlantic and Gulf States; south throughout West Indies to northern South America; accidental in New England and Illinois.

- 141 (185) **GUARA RUBRA.** (LINN.) **Scarlet Ibis.**

A tropical species; no evidence of its recent occurrence in North America.

GENUS **PLEGADIS.** KAUP.

- 142 (186) **PLEGADIS AUTUMNALIS.** (HASSELQ.) **Glossy Ibis.**

Tropical species; casual in United States; New England, Illinois.

- 143 (187) **PLEGADIS GUARAUNA.** (LINN.) **White-faced Glossy Ibis.**

Western species; once recorded from Florida.

Suborder CICONIÆ. Storks, etc.**FAMILY CICONIIDÆ. Storks and Wood Ibises.****Subfamily TANTALINÆ. Wood Ibises.**GENUS **TANTALUS.** LINN.

- 144 (188) **TANTALUS LOCULATOR.** LINN. **Wood Ibis.**

Southwestern species common and resident in Florida, where it breeds in colonies; accidental north to New York.

Suborder HERODII. Herons, Egrets, Bitterns, etc.

FAMILY ARDEIDÆ. Herons, Bitterns, etc.

Subfamily BOTAURINÆ. Bitterns.

A. O. U.
NO.

GENUS BOTAURUS. HERMANN.

- 145 (190) **BOTAURUS LENTIGINOSUS.** (MONTAG.) **American Bittern.**
Temperate North America; common in eastern United States; south in winter to Cuba.

GENUS ARDETTA. GRAY.

- 146 (191) **ARDETTA EXILIS.** (GMEL.) **Least Bittern.**
"Temperate North America; north to the British Provinces and south to the West Indies and Brazil" (A. O. U.); breeds nearly throughout its range.
- 147 (191¹) **ARDETTA NEOXENA.** CORY. **Cory's Least Bittern.**
Southern Florida; stragglers have been taken in various widely separated localities; Ontario, Michigan.

Subfamily ARDEINÆ. Herons and Egrets.

GENUS ARDEA. LINN.

- 148 (192) **ARDEA OCCIDENTALIS.** AUD. **Great White Heron.**
Resident in Florida; breeds in December on the keys; has been taken in Illinois.
- 149 **ARDEA WUERDEMANNI.** BAIRD. **Wuerdemann's Heron.**
Southern Florida; probably a colored phase of *A. occidentalis*, or an abnormally colored specimen of *Ardea wardi*.
- 150 (193) **ARDEA WARDI.** RIDGW. **Ward's Heron.**
Florida.
- 151 (194) **ARDEA HERODIAS.** LINN. **Great Blue Heron.**
The common large Heron of the Atlantic coast (except Florida); ranges from Arctic regions to northern South America.
- 152 (195) **ARDEA CINEREA.** LINN. **European Blue Heron.**
European species, recorded from Greenland.

SUBGENUS HERODIAS. BOIE.

- 153 (196) **ARDEA EGRETta.** GMEL. **American Egret.**
Southern United States to South America; casual north to New England; accidental in Nova Scotia; breeds in colonies in Southern States in February; abundant in parts of Florida.

SUBGENUS GARZETTA. KAUP.

- 154 (197) **ARDEA CANDIDISSIMA.** GMEL. **Snowy Heron.**
Tropical and semi-tropical species, not uncommon on Gulf coast; breeds in Florida in May; accidental in New England and Illinois.

- A. O. U.
NO.
- SUBGENUS **DICROMANASSA**. RIDGW.
- 155 (198) **ARDEA RUFESCENS**. GMEL. **Reddish Egret**.
Gulf States; apparently not abundant anywhere in United States;
casual north to Illinois; breeds in southern Florida, West Indies,
and Mexico.
- SUBGENUS **HYDRANASSA**. BAIRD.
- 156 (199) **ARDEA TRICOLOR RUFICOLLIS**. (GOSSE.) **Louisiana Heron**.
Gulf States; common in Florida; breeds occasionally north to New
England and Illinois.
- SUBGENUS **FLORIDA**. LINN.
- 157 (200) **ARDEA CÆRULEA**. LINN. **Little Blue Heron**.
Eastern United States; common on Gulf coast and Florida, where it
breeds in summer; casual to New England and Illinois.
- SUBGENUS **BUTORIDES**. BLYTH.
- 158 (201) **ARDEA VIRESCE**NS. LINN. **Green Heron**.
Temperate North America; Canada to Gulf States, and West Indies;
breeds nearly throughout its range.
- GENUS **NYCTICORAX**. STEPH.
- 159 (202) **NYCTICORAX NYCTICORAX NÆVIUS**. (BODD.) **Black-crowned Night
Heron**.
North and South America; breeds in West Indies; common in New
England.
- 160 (203) **NYCTICORAX VIOLACEUS**. (LINN.) **Yellow-crowned Night Heron**.
Warmer portions of North America; Gulf States to Carolinas; casual
in New England and Illinois; common in Florida.

ORDER PALUDICOLÆ.

Cranes, Rails, etc.

Suborder GRUES. Cranes.

FAMILY GRUIDÆ. Cranes.

GENUS **GRUS**. PALLAS.

- 161 (204) **GRUS AMERICANA**. (LINN.) **Whooping Crane**.
Interior of North America; rare on Atlantic coast; accidental in New
England; casual in Florida.
- 162 (205) **GRUS CANADENSIS**. (LINN.) **Little Brown Crane**.
Western species; two records east of Mississippi River.
- 163 (206) **GRUS MEXICANA**. (MÜLL.) **Sandhill Crane**.
Warmer parts of North America; common in parts of Georgia and
Florida, where it breeds; accidental in New England and Illinois.

Suborder RALLI. Rails, Gallinules, Coots, etc.

FAMILY ARAMIDÆ. Courlans.

A. O. U.
NO.

GENUS ARAMUS. VIEILL.

- 164 (207) **ARAMUS GIGANTEUS.** (BONAP.) **Limpkin.**
Tropical species; resident and breeds in Florida.

FAMILY RALLIDÆ. Rails, Gallinules, and Coots.

Subfamily RALLINÆ. Rails.

GENUS RALLUS. LINN.

- 165 (208) **RALLUS ELEGANS.** AUD. **King Rail.**
Fresh-water marshes of eastern United States; casual north of North Carolina, New England, and Illinois; recorded as far north as Ontario.
- 166 (211) **RALLUS CREPITANS.** GMEL. **Clapper Rail.**
Salt-water marshes; New England to Gulf States.
- 167 (211a) *Rallus crepitans saturatus.* (RIDGW.) Louisiana Clapper Rail.
A dark race of *R. crepitans*, which occurs in the salt-water marshes of Louisiana.
- 167a (—) *Rallus crepitans waynei.* BREWSTER. Wayne's Clapper Rail.
This race is described as differing from true *crepitans* in being darker, "the underparts with more ashy, the under tail coverts with fewer markings." (Brewster Auk, p. 50, 1899.) Habitat, coast of Georgia to middle Florida (head of Indian River).
- 168 (211b) **RALLUS SCOTTII.** (SENN.) **Scott's Rail· Florida Clapper Rail.**
Florida.
- 169 (212) **RALLUS VIRGINIANUS.** LINN. **Virginia Rail.**
North America, Canada to Cuba; often occurring in large numbers on New England marshes during migrations.

GENUS PORZANA. VIEILL.

- 170 (213) **PORZANA PORZANA.** (LINN.) **Spotted Crake.**
European species; recorded from Greenland.
- 171 (214) **PORZANA CAROLINA.** (LINN.) **Sora. Carolina Rail.**
North America; common on Atlantic coast, Florida, and Gulf States; West Indies and South America in winter.
- SUBGENUS COTURNICOPOS. BONAP.
- 172 (215) **PORZANA NOVEBORACENSIS.** (GMEL.) **Yellow Rail.**
Hudson Bay to Florida and Cuba; apparently not common anywhere.

A. O. U.
NO.SUBGENUS **CRACISCUS**. CABAN.

- 173 (216) **PORZANA JAMAICENSIS**. (GMEL.) **Black Rail**.
From Massachusetts and Illinois to West Indies; apparently nowhere
common; breeds throughout its range.

GENUS **CREX**. BECHS.

- 174 (217) **CREX CREX**. (LINN.) **Corn Crane**.
European species; accidental in eastern North America.

Subfamily **GALLINULINÆ**. Gallinules.GENUS **IONORNIS**. REICH.

- 175 (218) **IONORNIS MARTINICA**. (LINN.) **Purple Gallinule**.
Gulf States; casually north to New England and Illinois; breeds from
southern Illinois and Carolinas southward.

GENUS **GALLINULA**. BRISS.

- 176 (219) **GALLINULA GALEATA**. (LICHT.) **Florida Gallinule**.
Warmer parts of America, from Canada to Chili; breeds from New
England southward; common in Southern States.

Subfamily **FULICINÆ**. Coots.GENUS **FULICA**. LINN.

- 177 (220) **FULICA ATRA**. LINN. **European Coot**.
European species; recorded from Greenland.
- 178 (221) **FULICA AMERICANA**. GMEL. **American Coot**.
Common in warmer portions of United States, but casual from Canada
(and even Greenland) to West Indies; abundant in Georgia,
Florida, and Gulf States.

ORDER **LIMICOLÆ**.

Shore Birds. Marsh Birds.

FAMILY **PHALAROPODIDÆ**. Phalaropes.GENUS **CRYMOPHILUS**. VIEILL.

- 179 (222) **CRYMOPHILUS FULICARIUS**. (LINN.) **Red Phalaropes**.
Breeds in Arctic regions; south in winter to Middle States; accidental
on Florida coast; New England, Illinois.

GENUS **PHALAROPUS**. BRISS.

- 180 (223) **PHALAROPUS LOBATUS**. (LINN.) **Northern Phalarope**.
"Northern portions of Northern Hemisphere; breeding in Arctic lati-
tudes; south in winter to the tropics." (A. O. U.) New England,
Illinois.

A. O. F.
SOL.

- 181 (224) **PHALAROPUS TRICOLOR.** (VIEILL.) **Wilson's Phalarope.**
Chiefly interior of North America; breeds from northern Illinois northward; in winter, south to South America; common in Mississippi Valley; casual on Atlantic coast.

FAMILY RECURVIROSTRIDÆ. Avocets and Stilts.

GENUS RECURVIROSTRA. LINN.

- 182 (225) **RECURVIROSTRA AMERICANA.** GMEL. **American Avocet.**
Temperate North America; breeds from Illinois to the Saskatchewan and Great Slave Lake; in winter, Central America and West Indies; rare on Atlantic coast except Florida, where it is casual; accidental in New England.

GENUS HIMANTOPUS. BRISS.

- 183 (226) **HIMANTOPUS MEXICANUS.** (MILL.) **Black-necked Stilt.**
Temperate North America, from the northern United States southward to the West Indies, northern Brazil, and Peru; rare in eastern United States, except Florida; breeds in some numbers in Florida in May.

FAMILY SCOLOPACIDÆ. Snipes, Sandpipers, etc.

GENUS SCOLOPAX. LINN.

- 184 (227) **SCOLOPAX RUSTICOLA.** LINN. **European Woodcock.**
European species, accidental in eastern North America; several records.

GENUS PHILOHELA. GRAY.

- 185 (228) **PHILOHELA MINOR.** (GMEL.) **American Woodcock.**
Eastern North America from British Provinces to Gulf States; breeds throughout its range, but by far the greater number breed north; very numerous in Gulf States in winter.

GENUS GALLINAGO. LEACH.

- 186 (229) **GALLINAGO GALLINAGO.** (LINN.) **European Snipe.**
European species; occurs in Greenland.
- 186a (230¹) **GALLINAGO MAJOR.** (GMEL.) **Greater Snipe.**
Old world species accidental in North America, recorded from Hudson Bay.
- 187 (230) **GALLINAGO DELICATA.** (ORD.) **Wilson's Snipe. Jack Snipe.**
Breeds from northern United States, northward; south in winter to West Indies and South America.

A. O. U.
NO.GENUS *MACRORHAMPHUS*. LEACH.

- 188 (231) *MACRORHAMPHUS GRISEUS*. (Gmel.) **Dowitcher. Red-breasted Snipe.**

Breeds in the Arctic regions; in winter to West Indies and South America; abundant on Atlantic coast during migrations; Illinois.

- 189 (232) *MACRORHAMPHUS SCOLOPACEUS*. (Say.) **Long-billed Dowitcher. Western Red-breasted Snipe.**

Western species which occasionally occurs on Atlantic coast; common in Florida, in winter.

GENUS *MICROPALAMA*. BAIRD.

- 190 (233) *MICROPALAMA HIMANTOPUS*. (Bonap.) **Stilt. Sandpiper.**

Eastern North America; in winter to West Indies; breeds north of United States; common in Florida, during migrations; Illinois.

GENUS *TRINGA*. LINN.SUBGENUS *TRINGA*.

- 191 (234) *TRINGA CANUTUS*. LINN. **Knot.**

Breeds in high latitudes; south in winter to South America; common on Atlantic coast during migrations; called Robin Snipe by New England gunners.

SUBGENUS *ARQUATELLA*. BAIRD.

- 192 (235) *TRINGA MARITIMA*. BRÜNN. **Purple Sandpiper.**

Breeds far north; south in winter to New England and Middle States; accidental in Florida; sometimes observed in midwinter on New England coast; feeding on algae on rocks, exposed at low water.

SUBGENUS *ACTODROMAS*. KAUP.

- 193 (239) *TRINGA MACULATA*. VIEILL. **Pectoral Sandpiper. Grass-bird.**

Both North and South America; breeds in the far north; very common on Atlantic coast during migrations; New England, Florida, and Illinois.

- 194 (240) *TRINGA FUSCICOLLIS*. VIEILL. **White-rumped Sandpiper. Bonaparte's Sandpiper.**

Eastern North America; breeds in high latitudes; south in winter to West Indies and Central America; New England and Illinois.

- 195 (241) *TRINGA BAIRDII*. (Coccyz.) **Baird's Sandpiper.**

Common in interior of North America; breeds in Alaska; south in winter to South America; rare on Atlantic coast; New England and Illinois.

- 196 (242) *TRINGA MINUTILLA*. VIEILL. **Least Sandpiper.**

Common through the Americas; breeds north of United States; abundant during migrations on Atlantic coast; New England and Illinois.

A. O. U.
NO.SUBGENUS **PELIDNA**. CUVIER.

- 197 (243) **TRINGA ALPINA**. LINN. **Dunlin**.
European species, accidental in North America.
- 198 (243a) *Tringa alpina pacifica*. (COUES.) **Red-backed Sandpiper**. American
Dunlin.
North America; breeds in high latitudes; winters from Florida and
Gulf States southward; New England and Illinois during migrations.

SUBGENUS **ANCYLOCHILUS**. KAUP.

- 199 (244) **TRINGA FERRUGINEA**. BRÜNN. **Curlew Sandpiper**.
European species; of rare occurrence in eastern North America; New
England.

GENUS **EREUNETES**. ILLIGER.

- 200 (246) **EREUNETES PUSILLUS**. (LINN.) **Semipalmated Sandpiper**.
Breeds north of United States; winters in West Indies and South
America; common on Atlantic coast during migrations; Illinois.
- 201 (247) **EREUNETES OCCIDENTALIS**. LAWR. **Western Sandpiper**.
Western species; breeding in high latitudes and ranging in winter
to South America; not uncommon on Atlantic coast during
migrations.

GENUS **CALIDRIS**. CUVIER.

- 202 (248) **CALIDRIS ARENARIA**. (LINN.) **Sanderling**. **Sandpiper**. **Bull Peep**.
Cosmopolitan species; breeds in far north; south in winter to South
America; common on Atlantic coast during migrations; New
England, Florida, Illinois.

GENUS **LIMOSA**. BRISS.

- 203 (249) **LIMOSA FEDOA**. (LINN.) **Marbled Godwit**.
North America, chiefly west; breeds from Nebraska northward, migrat-
ing in winter to Central America; not common on Atlantic coast;
New England, casual; Florida, Illinois.
- 204 (251) **LIMOSA HÆMASTICA**. (LINN.) **Hudsonian Godwit**. **Goose Bird**.
Eastern North America; south in winter to South America; breeds far
north; at one time abundant on Atlantic coast during migrations,
now less common; New England, Florida, Illinois.
- 205 (252) **LIMOSA LIMOSA**. (LINN.) **Black-tailed Godwit**.
European species, which occurs in Greenland.

GENUS **TOTANUS**. BECH.

- 206 (253) **TOTANUS NEBULARIUS**. (GUNN.) **Green-shank**.
Old world species; accidental in Florida; no recent records.

A. O. U.
NO.SUBGENUS **GLOTTIS**. KOCH.

- 207** (254) **TOTANUS MELANOLEUCUS**. (GMEL.) **Greater Yellow-legs. Winter Yellow-legs.**

North America; breeding from northern Illinois northward; in winter, south to South America (Chili); common during migrations on Atlantic coast.

- 208** (255) **TOTANUS FLAVIPES**. (GMEL.) **Yellow-legs. Summer Yellow-legs.**
North America; breeding from northern Illinois northward; south in winter to South America; abundant during migrations on Atlantic coast.

GENUS **HELODROMUS**. KAUP.

- 209** (256) **HELODROMUS SOLITARIUS**. (WILS.) **Solitary Sandpiper.**

North America; breeding from northern United States northward; in winter, south to South America; New England, Florida, Illinois.

- 210** (257) **HELODROMUS OCHROPUS**. (LINN.) **Green Sandpiper.**

European species; once recorded from Nova Scotia.

GENUS **SYMPHEMIA**. RAFINESQUE.

- 211** (258) **SYMPHEMIA SEMIPALMATA**. (GMEL.) **Willet.**

Eastern North America, from Florida to New England; breeding occasionally as far north as Maine; south in winter to South America.

- 212** (258a) *Symphemia semipalmata inornata*. BREWST. **Western Willet.**

A western race of the Willet, which occurs in Florida and on Gulf coast in winter, and perhaps occasionally farther north; its true habitat is from Mexico to Manitoba; it differs from the eastern Willet in being larger, and in summer the middle tail feathers lack the black bars and the back marking is less pronounced; in winter the two forms differ little, except in size.

GENUS **PAVONCELLA**. LEACH.

- 213** (260) **PAVONCELLA PUGNAX**. (LINN.) **Ruff.**

European species; accidental in United States; several New England records.

GENUS **BARTRAMIA**. LESSON.

- 214** (261) **BARTRAMIA LONGICAUDA**. (BECHST.) **Bartramian Sandpiper. Upland Plover.**

North America; in winter to South America; breeds nearly throughout its range; once abundant on Atlantic coast, now less common; Illinois common.

A. O. U.
NO.GENUS **TRYNGITES**. CABAN.

- 215 (262) **TRYNGITES SUBRUFICOLLIS**. (VIEILL.) **Buff-breasted Sandpiper**.
North America; more commonly in interior; breeds north of United States; south in winter to South America; not common on Atlantic coast.

GENUS **ACTITIS**. ILLIGER.

- 216 (263) **ACTITIS MACULARIA**. (LINN.) **Spotted Sandpiper**.
The common Sandpiper of our ponds and streams occurs in North and South America; breeds throughout temperate North America.

GENUS **NUMENIUS**. BRISS.

- 217 (264) **NUMENIUS LONGIROSTRIS**. WILS. **Long-billed Curlew**. **Sickle-bill Curlew**.
Temperate North America; south to Central America and the West Indies; breeds in southern Atlantic States, and in interior to Canada; not common on Atlantic coast.
- 218 (265) **NUMENIUS HUDSONICUS**. LATH. **Hudsonian Curlew**. **Jack Curlew**.
Throughout North America; breeding in Arctic regions; in winter to Gulf States and South America; common on Atlantic coast during migrations.
- 219 (266) **NUMENIUS BOREALIS**. (FORST.) **Eskimo Curlew**. **Dough Bird**.
Ranges from the Arctic regions where it breeds to South America; in winter more common in the interior than on the coast; prefers the fields to the beaches, being often found in company with Golden Plover.
- 220 (267) **NUMENIUS PHÆOPUS**. (LINN.) **Whimbrel**.
Not recorded from United States; it has been taken in Greenland.

FAMILY CHARADRIIDÆ. Plovers.GENUS **VANELLUS**. BRISS.

- 221 (269) **VANELLUS VANELLUS**. (LINN.) **Lapwing**.
European species; occurs in Greenland; one record for eastern United States.

GENUS **CHARADRIUS**. LINN.SUBGENUS **SQUATAROLA**. CUVIER.

- 222 (270) **CHARADRIUS SQUATAROLA**. (LINN.) **Black-bellied Plover**. **Beetle Head**.
Ranges from Arctic regions to South America; breeds in the far north; common on Atlantic coast during migrations.

SUBGENUS **CHARADRIUS**. LINN.

- 223 (271) **CHARADRIUS APRICARIUS**. LINN. **Golden Plover**.
European species, which occurs in Greenland.

A. O. U.
NO.

- 224** (272) **CHARADRIUS DOMINICUS.** MÜLL. **American Golden Plover. Green Plover.**

Ranges from Arctic regions, where it breeds, to South America; common on Atlantic coast during migrations; prefers the fields to the marshes.

GENUS **ÆGIALITIS.** BOIE.

- 225** (273) **ÆGIALITIS VOCIFERA.** (LINN.) **Kildeer Plover.**

Ranges from Newfoundland and Manitoba, breeding throughout its range; common in winter from Gulf States and Carolinas to the West Indies and South America; as a rule not common on New England coast, but in November, 1888, a great flight occurred on shores of Massachusetts, and hundreds were killed and offered for sale in the Boston markets.

- 226** (274) **ÆGIALITIS SEMIPALMATA.** BONAP. **Semipalmated Plover.**

Ranges from Arctic regions to South America; breeding from Labrador northward; common on Atlantic coast during migrations.

- 227** (275) **ÆGIALITIS HIATICULA.** (LINN.) **Ring Plover.**

Old world species; not recorded from United States; it occurs in Greenland.

- 228** (277) **ÆGIALITIS MELODA.** (ORD.) **Piping Plover.**

From Labrador to the West Indies and South America, being a familiar bird on our shores; breeds from Virginia to Labrador and Newfoundland.

- 229** (277a) *Ægialitis meloda circumcincta.* RIDGW. **Belted Piping Plover.**

Is similar to a *meloda* but differs in having an unbroken black band on the neck forming a complete collar; breeds from northern Illinois northward; migrates in winter to Gulf of Mexico.

- 229a** (278) **ÆGIALITIS NIVOSA.** CASS. **Snowy Plover.**

Western species; not uncommon in winter on the northwest coast of Florida.

SUBGENUS **OCHTHODROMUS.** REICH.

- 230** (280) **ÆGIALITIS WILSONIA.** (ORD.) **Wilson's Plover.**

Atlantic and Pacific coasts of North America; on the Atlantic side from Long Island to the West Indies and South America; breeds from Virginia; southern stragglers have been taken as far north as Nova Scotia.

SUBGENUS **PODASOCYS.** COUES.

- 231** (281) **ÆGIALITIS MONTANA.** (TOWNS.) **Mountain Plover.**

Western species; accidental or casual in Florida.

FAMILY APHRIZIDÆ. Surf Birds and Turnstones.**Subfamily ARENARIINÆ. Turnstones.**A. O. U.
NO.GENUS **ARENARIA.** BRISS.**232** (283)**ARENARIA INTERPRES.** (LINN.) **Turnstone.**

Both coasts of North America, and in the interior on the larger lakes and rivers; breeds in the Arctic regions; in winter to South America.

FAMILY HÆMATOPODIDÆ. Oyster Catchers.GENUS **HÆMATOPUS.** LINN.**233** (285)**HÆMATOPUS OSTRALÉGUS.** LINN. **Oyster Catcher.**

European species, which occurs in Greenland.

234 (286)**HÆMATOPUS PALLIATUS.** TEMM. **American Oyster Catcher.**

Coasts of the warmer portions of America, from New Jersey to South America; accidental in New England; common in Florida, and breeds.

LAND BIRDS.

ORDER GALLINÆ.

Gallinaceous Birds.

Suborder PHASIANI. Pheasants, Grouse, Partridges, Quail, etc.

FAMILY TETRAONIDÆ. Grouse, Partridges, etc.

Subfamily PERDICINÆ. Partridges and Quail.

A. O. U.
NO.

GENUS COLINUS. LESSON.

- 235 (289) **COLINUS VIRGINIANUS.** (LINN.) Quail. Bob-white.
Eastern United States; west to Kansas, Dakotah, and eastern Texas;
breeds throughout range.
- 236 (289a) *Colinus virginianus floridanus.* (COUES.) Florida Quail.
A Florida race, smaller and darker than *C. virginianus*.

Subfamily TETRAONINÆ. Grouse, etc.

GENUS CANACHITES. STEJN.

- 237 (298) **CANACHITES CANADENSIS.** (LINN.) Canada Grouse. Spruce Partridge.
Throughout British America; occurs in United States in northern New England, New York, Minnesota, and Michigan.
- 237a (—) *Canachites canadensis labradorius.* BANGS. Labrador Spruce Grouse.
A Labrador race of the Canada Grouse; the males differ but slightly, but the females are described as being less buffy above the back, being nearly black and gray, and the underparts whiter.

GENUS BONASA. STEPH.

- 238 (300) **BONASA UMBELLUS.** (LINN.) Ruffed Grouse.
Eastern United States and southern Canada; south to mountains of northern Georgia; west to Minnesota and Michigan.
- 239 (300a) *Bonasa umbellus togata.* (LINN.) Canadian Ruffed Grouse.
The Canadian race of the Ruffed Grouse occurs throughout southern British America as far north as James Bay; it occurs in northern New York and northern New England; it is more gray on the upper parts, and the underparts are more distinctly barred.

GENUS LAGOPUS. BRISS.

- 240 (301) **LAGOPUS LAGOPUS.** (LINN.) Willow Ptarmigan.
Arctic species; accidental in New England.

- A. O. U.
NO.
- 241 (301a) *Lagopus lagopus alleni*. STEJN. Allen's Ptarmigan.
A race peculiar to Newfoundland; differs in having the shafts of the secondaries black.
- 242 (302) **LAGOPUS RUPESTRIS.** (GMEL.) **Rock Ptarmigan.**
Arctic America, from southern Labrador to Alaska, Anticosti.
- 243 (302a) *Lagopus rupestris reinhardti*. (BREHM.) Reinhardt's Ptarmigan.
A race inhabiting northern Labrador and Greenland; the female has the greater portion of the back, black, in summer; the male has the barring on the upper parts finer and more uneven.
- 244 (303) **LAGOPUS WELCHI.** BREWSTER **Welch's Ptarmigan.**
Peculiar to Newfoundland.

GENUS **TYMPANUCHUS.** GLOGER.

- 245 (305) **TYMPANUCHUS AMERICANUS.** (REICH.) **Prairie Hen.**
Prairies of Mississippi Valley, Kentucky, Ohio, Indiana, Michigan, Minnesota, Iowa, and Missouri; north and west to Manitoba, Dakota, and Indian Territory; south to southwestern Louisiana, and Texas, where it is replaced by a paler and smaller race called *T. a. altivateri*.
- 246 (306) **TYMPANUCHUS CUPIDO.** (LINN.) **Heath Hen.**
Island of Martha's Vineyard, Mass.; once abundant, now nearly extinct; resembles the Prairie Hen, but may be distinguished by its *barred axillars*, scapulars broadly tipped with buff, and tufts of feathers on the neck consisting of less than ten feathers.

GENUS **PEDICETES.** BAIRD.

- 247 (308b) **PEDICETES PHASIANELLUS CAMPESTRIS.** RIDGW. **Prairie Sharp-tailed Grouse.**
Western species, which sometimes occurs in Wisconsin and Illinois.

FAMILY PHASIANIDÆ. Pheasants, Turkeys, etc.**Subfamily MELEAGRINÆ. Turkeys.**GENUS **MELEAGRIS.** LINN.

- 248 (310) **MELEAGRIS GALLOPAVO.** LINN. **Wild Turkey.**
United States, from Chesapeake Bay to the Gulf coast, and west to the plains along wooded river valleys. (A. O. U.)
- 249 (310a) *Meleagris gallopavo osceola*. SCOTT. **Florida Turkey.**
Differs in having the white bands on the primaries broken and uneven, and in being somewhat smaller; also other slight differences in color; inhabits southern Florida, where the northern Turkey does not occur.

ORDER COLUMBÆ.

Pigeons.

FAMILY COLUMBIDÆ. Pigeons.

A. O. U.
NO.

GENUS COLUMBA. LINN.

- 250 (314) **COLUMBA LEUCOCEPHALA.** LINN. **White-crowned Pigeon.**

West Indian species; casual in southern Florida.

- 250a (—) **COLUMBA CORENSIS.** GMEL. **Wood Pigeon.**

West Indian species; accidental at Key West, Fla. (Atkins, Auk, 1899, p. 272.)

GENUS ECTOPISTES. SWAINS.

- 251 (315) **ECTOPISTES MIGRATORIUS.** (LINN.) **Passenger Pigeon.**

Eastern North America; north to Hudson Bay; west to the plains; breeds in Canada and northern border of United States; now rare in localities where it was once very abundant.

GENUS ZENAIDURA. BONAP.

- 252 (316) **ZENAIDURA MACROURA.** (LINN.) **Mourning Dove.**

Throughout United States and southern Canada, Central America, and West Indies; breeds throughout its range.

GENUS ZENAIDA. BONAP.

- 253 (317) **ZENAIDA ZENAIDA.** (BONAP.) **Zenaida Dove.**

West Indies and Yucatan; accidental on Florida Keys.

GENUS MELOPELIA. BONAP.

- 254 (319) **MELOPELIA LEUCOPTERA.** (LINN.) **White-winged Dove.**

Semi-tropical species ranging throughout southwestern United States, Central America, and West Indies; accidental in Florida.

GENUS COLUMBIGALLINA. BOIE.

- 255 (320) **COLUMBIGALLINA PASSERINA TERRESTRIS.** CHAPMAN. **Ground Dove.**

Southern States of United States; breeds from South Carolina to Louisiana, West Indies, and northern South America.

GENUS GEOTRYGON. GOSSE.

- 256 (322) **GEOTRYGON CHRYSÆA.** GOSSE. **Key West Quail-Dove.**

West Indian species; recorded from Florida Keys.

- 257 (322¹) **GEOTRYGON MONTANA.** (LINN.) **Mountain Dove.**

West Indian species; once recorded from Key West, Fla.

- A. O. U.
NO.
258 (323) GENUS **STARNÆNAS**. BONAP.
STARNÆNAS CYANOCEPHALA. (LINN.) **Blue-headed Quail-Dove**.
Cuban species; accidental on Florida Keys.

ORDER RAPTORES.

Birds of Prey.

Suborder **SARCORHAMPHI**. American Vultures.

FAMILY CATHARTIDÆ. American Vultures.

GENUS **CATHARTES**. ILLIGER.

- 259 (325) **CATHARTES AURA**. (LINN.) **Turkey Vulture. Turkey Buzzard**.
Greater part of North and South America; in eastern United States
from New Jersey to the Gulf of Mexico; abundant and resident
in Southern States.

GENUS **CATHARISTA**. VIEILL.

- 260 (326) **CATHARISTA URUBU**. VIEILL. **Black Vulture. Carrion Crow**.
Southern portion of North America, West Indies, and Central and
South America; breeds in eastern United States from North Caro-
lina and Illinois to the Gulf; accidental in New England

Suborder **FALCONES**. Falcons, Hawks, Eagles, etc.

FAMILY FALCONIDÆ. Vultures. Falcons, Hawks, Eagles, etc.

Subfamily **ACCIPITRINÆ**. Kites, Hawks, Eagles, etc.

GENUS **ELANOIDES**. VIEILL.

- 261 (327) **ELANOIDES FORFICATUS**. (LINN.) **Swallow-tailed Kite**.
Central and South America; in United States south of Carolina and
Minnesota; accidental in New England; breeds commonly in some
of Southern States; especially Florida.

GENUS **ELANUS**. SAVIGNY.

- 262 (328) **ELANUS LEUCURUS**. (VIEILL.) **White-tailed Kite**.
Southern United States; from South Carolina and Southern Illinois,
Central and South America; breeds in Southern States.

GENUS **ICTINIA**. VIEILL.

- 263 (329) **ICTINIA MISSISSIPPIENSIS**. (WILS.) **Mississippi Kite**.
Southern United States; from South Carolina, Gulf States to Central
America.

A. O. U.
NO.GENUS **ROSTRHAMUS**. LESSON.

- 264 (330) **ROSTRHAMUS SOCIABILIS**. (VIEILL.) **Everglade Kite**.
Central America and eastern South America; common in South Florida where it breeds.

GENUS **CIRCUS**. LACÉPÈDE.

- 265 (331) **CIRCUS HUDSONIUS**. (LINN.) **Marsh Hawk**.
North and Central America; breeding throughout its range; one of the most common species in eastern United States; frequenting marshes.

GENUS **ACCIPITER**. BRISS.SUBGENUS **ACCIPITER**.

- 266 (332) **ACCIPITER VELOX**. (WILS.) **Sharp-shinned Hawk**.
North America; breeding throughout its range; in winter south to Mexico and Central America; common in eastern United States.
- 267 (333) **ACCIPITER COOPERI**. (BONAP.) **Cooper's Hawk**.
North America and Mexico; breeds throughout its range; common in eastern United States.

SUBGENUS **ASTUR**. LACÉPÈDE.

- 268 (334) **ACCIPITER ATRICAPILLUS**. (WILS.) **American Goshawk**.
Greater portion of North America, north of the Middle States; breeds from northern border of United States northward.

GENUS **PARABUTEO**. RIDGW.

- 269 (335) **PARABUTEO UNICINCTUS HARRISI**. (AUD.) **Harris's Hawk**.
Western species, which occurs in Louisiana.

GENUS **BUTEO**. CUVIER.

- 270 (336) **BUTEO BUTEO**. (LINN.) **European Buzzard**.
European species; once taken in United States; Michigan, one record.
- 271 (337) **BUTEO BOREALIS**. (GMEL.) **Red-tailed Hawk**.
Eastern North America and Canada; south to Mexico; breeds nearly throughout its range.
- 272 (337a) *Buteo borealis kriderii*. HOOPES. **Krider's Hawk**.
Western race, which occasionally occurs as far east as Illinois; differs in being much paler; more white in the plumage; underparts, faintly streaked.
- 273 (337b) *Buteo borealis calurus*. (CASS.) **Western Red-tail**.
This race has been recorded from Illinois; its true range is west of the Rocky Mountains; it differs in being much darker than *borealis*, and shows more dusky and rufous brown in the plumage; some specimens are almost entirely black, with breast dark reddish brown.

- A. O. U.
NO.
- 274** (338) *Buteo borealis harlani*. (AUD.) **Harlan's Hawk.**
Differs from *borealis* in being somewhat heavier; the general plumage is dark sooty or black, showing more or less white streaks, the concealed portion of feathers being white; underparts, more or less white, with various markings; it occurs in Georgia and Florida, and the Gulf States to the Mississippi Valley; north to Illinois and Iowa, and casually to Pennsylvania.
- 275** (339) **BUTEO LINEATUS.** (GMEL.) **Red-shouldered Hawk.**
Throughout eastern North America; breeding throughout its range.
- 276** (339a) *Buteo lineatus alleni*. RIDGW. **Florida Red-shouldered Hawk.**
Differs from *lineatus* in being smaller, and the adults have no rufous on the head; Gulf States, from Texas to the Carolinas; but most common in Florida and along the southern coast.

SUBGENUS **TACHYTRIORCHIS.** KAUP.

- 277** (342) **BUTEO SWAINSONI.** BONAP. **Swainson's Hawk.**
Western species; occasionally occurring in eastern United States; casual in Florida; recorded from Maine and Massachusetts.
- 278** (343) **BUTEO LATISSIMUS.** (WILS.) **Broad-winged Hawk.**
Throughout eastern North America; from Canada to West Indies and South America; breeds throughout its range.

SUBGENUS **BUTEOLA.** BONAP.

- 279** (344) **BUTEO BRACHYURUS.** VIEILL. **Short-tailed Hawk. Black Hawk.**
Tropical species; resident in Florida.

GENUS **ASTURINA.** VIEILL.

- 280** (346) **ASTURINA PLAGIATA.** SCHLEGEL. **Mexican Goshawk.**
Western species; once observed in Illinois; no other record for eastern North America.

GENUS **ARCHIBUTEO.** BREHM.

- 281** (347a) **ARCHIBUTEO LAGOPUS SANCTI-JOANNIS.** (GMEL.) **American Rough-legged Hawk.**
New England and Illinois.
- 282** (348) **ARCHIBUTEO FERRUGINEUS.** (LICHT.) **Ferruginous Rough-leg.**
North America; from Gulf States northward; breeds north of United States.

GENUS **AQUILA.** BRISS.

- 283** (349) **AQUILA CHRYSÆTOS.** (LINN.) **Golden Eagle.**
North America; breeding in mountains in unsettled localities throughout its range; much less common than the Bald Eagle on the Atlantic coast.

A. O. U.
NO.GENUS *HALIAETUS*. SAVIG.

- 284 (351) *HALIAETUS ALBICILLA*. (LINN.) **Gray Sea Eagle.**
Occurs in Greenland, but has not been taken in the United States.
- 285 (352) *HALIAETUS LEUCOCEPHALUS*. (LINN.) **Bald Eagle.**
Throughout North America to northern Mexico; breeding throughout its range.
- Mr. C. H. Townsend has lately separated the northern and southern birds, giving the range of *Haliaetus leucocephalus* as practically restricted to the United States. To the bird which occurs in the British possessions west to Alaska, which is larger, he has given the name of *Haliaetus leucocephalus alascanus*, Northern Bald Eagle.

Subfamily FALCONINÆ. Falcons.

GENUS *FALCO*. LINN.

- 286 (353) *FALCO ISLANDUS*. BRÜNN. **White Gyrfalcon.**
Arctic America; south in winter to Labrador and northern Maine.
- 287 (354) *FALCO RUSTICOLUS*. LINN. **Gray Gyrfalcon.**
Arctic America; accidental in winter as far south as Maine.
- 288 (354a) *Falco rusticolus gyrfalco*. (LINN.) **Gyrfalcon.**
A grayish race with faintly barred back; occurs in Arctic America; accidental in winter in New England (Massachusetts and Rhode Island).
- 289 (354b) *Falco rusticolus obsoletus*. (GMEL.) **Black Gyrfalcon.**
A dark race with back dark slate; sometimes almost black and not barred; underparts dark; it occurs in Labrador; accidental in winter as far south as Canada, Maine, Massachusetts, and New York.
- 290 (355) *FALCO MEXICANUS*. SCHLEG. **Prairie Falcon.**
Western species; casual in Illinois; breeds throughout its range.

SUBGENUS *RYNCHODON*. NITZSCH.

- 291 (356) *FALCO PEREGRINUS ANATUM*. (BONAP.) **Duck Hawk. Peregrine Falcon.**
North America and northern South America; breeds throughout its range.

SUBGENUS *ÆSALON*. KAUP.

- 292 (357) *FALCO COLUMBARIUS*. LINN. **Pigeon Hawk.**
North America, West Indies, and northern South America; breeds from northern border of United States, northward.
- 293 (358¹) *FALCO REGULUS*. PALL. **Merlin.**
European species; recorded from Greenland.

SUBGENUS *TINNUNCULUS*. LINN.

- 294 (359¹) *FALCO TINNUNCULUS*. LINN. **Kestrel.**
European species; once taken in Massachusetts.

- A. O. U.
NO.
- 295** (360) **FALCO SPARVERIUS.** LINN. **American Sparrow Hawk.**
"North America; east of the Rocky Mountains and from Great Slave Lake, south to northern South America." (A. O. U.)
- 296** (361) **FALCO SPARVERIODES.** VIG. **Cuban Sparrow Hawk.**
Cuban species; accidental in Florida.
- GENUS **POLYBORUS.** VIEILL.
- 297** (362) **POLYBORUS CHERIWAY.** (JACQ.) **Audubon's C. C. Mexican Buzzard.**
Texas and Arizona to South America; occurs in eastern United States only in southern Florida where it breeds.
- GENUS **PANDION.** SAYIG.
- 298** (364) **PANDION HALIAËTUS CAROLINENSIS.** (GIMEL.) **American Osprey. Fish Hawk.**
Greater portion of North America, the West Indies, and northern South America; common in many parts of eastern United States; breeds throughout its range.

Suborder STRIGES. Owls.

FAMILY STRIGIDÆ. Barn Owls.

GENUS STRIX. LINN.

- 299** (365) **STRIX PRATINCOLA.** BONAP. **American Barn Owl.**
Throughout United States, Mexico, and northern West Indies; more common in the Southern States; breeds rarely as far north as latitude 40°.

FAMILY BUBONIDÆ. Horned Owls.

GENUS ASIO. BRISS.

- 300** (366) **ASIO WILSONIANUS.** (LESS.) **American Long-eared Owl.**
Temperate North America to Mexico; breeds throughout its range.
- 301** (367) **ASIO ACCIPITRINUS.** (PALL.) **Short-eared Owl.**
North America; breeds north of latitude 39°.
- GENUS **SYRNIUM.** SAYIG.
- 302** (368) **SYRNIUM NEBULOSUM.** (FORST.) **Barred Owl.**
Southern and eastern United States; north to Nova Scotia; breeds throughout its range.
- 303** (368a) *Syrnium nebulosum alleni.* RIDGW. **Florida Barred Owl.**
A southern race of the Barred Owl, averaging somewhat smaller and darker, having the toes nearly bare of feathers; Gulf States; common in Florida.

A. O. U.
NO.GENUS **SCOTIAPTEX**. SWAINS.

- 304 (370) **SCOTIAPTEX CINEREA**. (GMEL.) **Great Gray Owl**.
Arctic species, which occurs in winter as far south as New England and Illinois; numerous records for Massachusetts, New York, Ohio, etc.

GENUS **NYCTALA**. BREHM.

- 305 (371) **NYCTALA TENGMALMI RICHARDSONI**. (BONAP.) **Richardson's Owl**.
Arctic species; casual in winter in northern United States; New England, Illinois, etc.; breeds north of United States.
- 306 (372) **NYCTALA ACADICA**. (GMEL.) **Saw-whet Owl. Acadian Owl**.
North America; breeds from middle United States northward.
- 307 (373) **MEGASCOPS ASIO**. (LINN.) **Screech Owl**.
Eastern North America; Canada to Georgia; breeds nearly throughout its range.
- 308 (373a) *Megascops asio floridanus*. (RIDGW.) **Florida Screech Owl**.
A rather small southern race of the Screech Owl; somewhat darker and the markings heavier; occurs in Gulf States from South Carolina to Louisiana.

GENUS **BUBO**. DUMERIL.

- 309 (375) **BUBO VIRGINIANUS**. (GMEL.) **Great Horned Owl**.
Eastern North America; north to Labrador; breeds throughout its range.
- 310 (375a) *Bubo virginianus arcticus*. SWAINS. **Arctic Horned Owl**.
Pale birds have occasionally been taken in northeastern North America which may be referable to this race.
- 311 (375c) *Bubo virginianus saturatus*. RIDGW. **Dusky Horned Owl**.
A dark race; ranging from Labrador and Hudson Bay westward to Alaska; south to Louisiana and Arizona; some Louisiana specimens are very dark.

GENUS **NYCTEA**. STEPH.

- 312 (376) **NYCTEA NYCTEA**. (LINN.) **Snowy Owl**.
Northern North America; in winter, south to Middle States; breeds north of United States.

GENUS **SYRNIA**. DUMERIL.

- 313 (377a) **SURNIA ULULA CAPAROCH**. (MILL.) **American Hawk Owl**.
Arctic North America; south in winter to borders of United States; New England and Illinois; breeds from New England northward.

GENUS **SPEOTYTO**. GLOGER.

- 314 (378) **SPEOTYTO CUNICULARIA HYPOGÆA**. (BONAP.) **Burrowing Owl**.
Western species; one record from Massachusetts.
- 315 (378a) *Speotyto cunicularia floridana*. RIDGW. **Florida Burrowing Owl**.
Resident in southern Florida; a rather dark form, having the feet and legs (tarsus) almost without feathers; breeds in a hole in the ground.

ORDER PSITTACI.

Parrots, Paroquets, etc.

FAMILY PSITTACIDÆ.

A. O. U.
NO.GENUS **CONURUS**. KÜHL.

- 316 (382) **CONURUS CAROLINENSIS**. (LINN.) **Carolina Paroquet**.

At one time not uncommon in many of our Southern States; at present occurs only in Florida, Arkansas, and Indian Territory; breeds in holes in trees.

ORDER COCCYGES.

Cuckoos.

FAMILY CUCULIDÆ. Cuckoos, Anis, etc.

Subfamily CROTOPHAGINÆ. Anis.

GENUS **CROTOPHAGA**. LINN.

- 317 (383) **CROTOPHAGA ANI**. LINN. **Ani**.

West Indian species; recorded from Florida, Louisiana, and Pennsylvania; the bird is entirely black; the bill is not like that of a Cuckoo, being very thin and somewhat Parrot-like in shape.

Subfamily COCCYZINÆ. Cuckoos.

GENUS **COCCYZUS**. VIEILL.

- 318 (386) **COCCYZUS MINOR**. (GMEL.) **Mangrove Cuckoo**.

West Indian species; casual in southern Florida.

- 319 (386a) *Coccyzus minor maynardi*. RIDGW. **Maynard's Cuckoo**.

A Bahama race of *C. minor*; casual in southern Florida; it is much paler on the underparts, lacking the strong tawny buff on the belly; the bill is slightly smaller.

- 320 (387) **COCCYZUS AMERICANUS**. (LINN.) **Yellow-billed Cuckoo**.

Eastern North America; from the plains to the coast and Canada to Gulf of Mexico; breeding throughout its range; in winter to West Indies and Central America.

- 321 (388) **COCCYZUS ERYTHROPHthalmus**. (WILSON) **Black-billed Cuckoo**.

Eastern North America; from Rocky Mountains to the coast; breeds United States to Labrador; south, in winter to West Indies and northern South America.

Suborder **ALCYONES**. Kingfishers.**FAMILY ALCEDINIDÆ**. Kingfishers.A. O. U.
NO.GENUS **CERYLE**. BOIE.**322** (390) **CERYLE ALCYON**. (LINN.) **Belted Kingfisher**.

North America; at large from Arctic regions to the Gulf of Mexico;
in winter, extends its range to West Indies and Central America;
breeds from Gulf States throughout its northern range.

ORDER PICI.**Woodpeckers, etc.****FAMILY PICIDÆ**. Woodpeckers.GENUS **CAMPEPHILUS**. GRAY.**323** (392) **CAMPEPHILUS PRINCIPALIS**. (LINN.) **Ivory-billed Woodpecker**.
Florida; some of the Gulf States to Mississippi Valley; now rare except
in parts of Florida.GENUS **DRYOBATES**. BOIE.**324** (393) **DRYOBATES VILLOSUS**. (LINN.) **Hairy Woodpecker**.
Northern and middle portions of eastern United States.**325** (393b) *Dryobates villosus audubonii*. (SWAINS.) **Southern Hairy Woodpecker**.
Southern race; ranging from eastern Texas to South Carolina; it differs
in being smaller and perhaps slightly darker.**326** (394) **DRYOBATES PUBESCENS**. (LINN.) **Downy Woodpecker**.
Eastern North America; in winter, south to the Gulf of Mexico.
Birds inhabiting the region north of North Carolina are larger than southern
birds, and have been recognized as a race and named*324a Dryobates pubescens medianus*. BREWSTER.**327** (395) **DRYOBATES BOREALIS**. (VIEILL.) **Red-cockaded Woodpecker**.
Southeastern and southern United States from Carolina to Texas.GENUS **PICOIDES**. LACEP.**328** (400) **PICOIDES ARCTICUS**. (SWAINS.) **Arctic Three-toed Woodpecker**.
Northern North America; south to northern United States, New England,
Michigan, etc.**329** (401) **PICOIDES AMERICANUS**. BREHM **American Three-toed Woodpecker**.
Northern North America; south to northern border of United States;
Maine and northern New York.

A. O. U.

GENUS **SPHYRAPICUS**. BAIRD.

- 330 (402) **SPHYRAPICUS VARIUS**. (LINN.) **Yellow-bellied Sapsucker. Yellow-bellied Woodpecker.**

Eastern North America; south in winter to West Indies and Mexico; breeds in Massachusetts northward.

GENUS **CEOPHLÆUS**. CABAN.

- 331 (405) **CEOPHLÆUS PILEATUS**. (LINN.) **Pileated Woodpecker.**
Southern United States; from North Carolina southward; replaced farther north by the northern race.
- 331a (405a) *Ceophlæus pileatus albeticola*. BANGS. Northern Pileated Woodpecker.
A northern race; differing mainly in size.

GENUS **MELANERPES**. SWAINS.SUBGENUS **MELANERPES**.

- 332 (406) **MELANERPES ERYTHROCEPHALUS**. (LINN.) **Red-headed Woodpecker.**
Eastern United States; from Rocky Mountains to Florida, and north to about latitude 50°; casual east of Hudson River; not uncommon in fall in Massachusetts.

SUBGENUS **CENTURUS**. SWAINS.

- 333 (409) **MELANERPES CAROLINUS**. (LINN.) **Red-bellied Woodpecker.**
Eastern and southern United States; from New York and Michigan to the Gulf States; not numerous in northern part of its range.

GENUS **COLAPTES**. SWAINS.

- 334 (412) **COLAPTES AURATUS**. (LINN.) **Flicker. Golden-winged Woodpecker.**
Eastern North America; from the Rocky Mountains to the Atlantic; winters from latitude of Illinois southward; one of our most familiar birds, and known by many names, among which are High Hole, Yellowhammer, Harrywicket, etc.

ORDER MACROCHIRES.

Goatsuckers, Swifts, etc.

Suborder CAPRIMULGI. Goatsuckers.

FAMILY CAPRIMULGIDÆ. Goatsuckers.

- A. O. U.
NO.
- 335 (416) **ANTROSTOMUS CAROLINENSIS.** (GMEL.) **Chuck-will's-widow.**
Southern United States; from Virginia to Mexico, and Cuba, Jamaica,
and Porto Rico; casual to southern Illinois; accidental in Massa-
chusetts.
- 336 (417) **ANTROSTOMUS VOCIFERUS.** (WILS.) **Whip-poor-will.**
Eastern and southern North America; from about latitude 50° to
Mexico and Porto Rico; a common species in localities in New
England, Illinois, etc.

GENUS **CHORDEILES.** SWAINS.

- 337 (420) **CHORDEILES VIRGINIANUS.** (GMEL.) **Nighthawk.**
Eastern North America; from the plains to the Atlantic, and from
Labrador to the West Indies and South America; breeds from
southern United States northward.
- 338 (420a) *Chordeiles virginianus henryi.* (CASS.) **Western Nighthawk.**
Western race; once recorded from Illinois; it is paler, and the back is
more gray and buff.
- 339 (420c) *Chordeiles virginianus chapmani.* (SENNETT.) **Florida Nighthawk.**
A small southern race; resident in Florida and along the Gulf coast;
it is somewhat paler in coloration, and decidedly smaller.

Suborder CYPSELI. Swifts.

FAMILY MICROPODIDÆ. Swifts.

Subfamily CHÆTURINÆ. Swifts.

GENUS **CHÆTURA.** STEPH.

- 340 (423) **CHÆTURA PELAGICA.** (LINN.) **Chimney Swift.**
Eastern North America; north to Labrador, and in winter south to
Mexico; breeds from the Gulf States northward.

Suborder TROCHILI. Hummingbird.

FAMILY TROCHILIDÆ. Hummingbirds.

A. O. U.
NO.

GENUS TROCHILUS. LINN.

- 341 (428) **TROCHILUS COLUBRIS.** LINN. **Ruby-throated Hummingbird.**
 Eastern North America; from the plains to the Atlantic, and from
 Labrador, or about latitude 52°, to the Gulf of Mexico; breeding
 throughout its range; south in winter to Cuba, Porto Rico, and
 Mexico.

ORDER PASSERES.

Perching Birds.

Suborder CLAMATORES. Songless Birds.

FAMILY TYRANNIDÆ. Tyrant Flycatchers.

GENUS MILVULUS. SWAINS.

- 342 (442) **MILVULUS TYRANNUS.** (LINN.) **Fork-tailed Flycatcher.**
 South American species; occasionally taken in the United States;
 recorded from New Jersey and Mississippi.
- 343 (443) **MILVULUS FORFICATUS.** (GMEL.) **Scissor-tailed Flycatcher.**
 Western species; accidental in eastern United States, New England,
 Florida, etc.

GENUS TYRANNUS. CUVIER.

- 344 (444) **TYRANNUS TYRANNUS.** (LINN.) **Kingbird.**
 Nearly the whole of North America; south in winter to Cuba and South
 America; a familiar species known by various names such as
 Bee Martin, Bee-bird, etc.
- 345 (445) **TYRANNUS DOMINICENSIS.** (GMEL.) **Gray Kingbird.**
 Semi-tropical species; not uncommon in Florida; accidental in Georgia,
 South Carolina, and New England.
- 346 (447) **TYRANNUS VERTICALIS.** SAY. **Arkansas Kingbird.**
 Western species; accidental east of the Mississippi; it has been taken
 in Maine, Massachusetts (Great Island), New York, New Jersey,
 District of Columbia, and Iowa.

GENUS MYIARCHUS. CABAN.

- 347 (452) **MYIARCHUS CRINITUS.** (LINN.) **Crested Flycatcher.**
 Eastern United States; from the plains to the Atlantic, and southern
 Canada to the Gulf of Mexico; in winter Mexico and Central
 America; breeds from the Gulf States northward.

A. O. U.
NO.GENUS **SAYORNIS**. BONAP.

- 348** (456) **SAYORNIS PHŒBE**. (LATH.) **Phæbe**.
Ranges from Colorado and Texas to the Atlantic, and from Canada to Cuba and Mexico; breeds from the Carolinas, northward.
- 349** (457) **SAYORNIS SAYA**. (BONAP.) **Say's Phæbe**.
Western species; only once recorded from New England; casual in Illinois and Wisconsin.

GENUS **CONTOPUS**. CABAN.

- 350** (459) **CONTOPUS BOREALIS**. (SWAINS.) **Olive-sided Flycatcher**.
North America; breeding from Massachusetts, northward; south in winter to Central and South America.
- 351** (461) **CONTOPUS VIRENS**. (LINN.) **Wood Pewee. Flycatcher**.
Eastern North America; from the plains to the Atlantic, and Canada to Florida and Mexico; breeds throughout eastern United States; north to Newfoundland.

GENUS **EMPIDONAX**. CABAN.

- 352** (463) **EMPIDONAX FLAVIVENTRIS**. BAIRD. **Yellow-bellied Flycatcher**.
Eastern North America; breeds from northern United States, northward; south in winter to Central America.
- 353** (465) **EMPIDONAX VIRESCENS**. (VIEILL.) **Acadian Flycatcher**.
Eastern United States; from New York and Connecticut, southward, breeding as far south as Florida; winters in Mexico and Central America.
- 354** **EMPIDONAX TRAILLII ALNORUM**. BREWSTER. **Alder Flycatcher**.
Eastern United States; from Illinois and Michigan to Atlantic; breeds from northern Illinois and northern New England, northward; winters south to Central America.
- 355** (467) **EMPIDONAX MINIMUS**. BAIRD. **Least Flycatcher**.
Eastern United States; from Gulf of St. Lawrence to Gulf of Mexico; south in winter to Central America; breeds from northern United States, northward, usually north of latitude 42°.

Suborder **OSCINES**. Song Birds.FAMILY **ALAUDIDÆ**. Larks.GENUS **ALAUDA**. LINN.

- 356** (473) **ALAUDA ARVENSIS**. LINN. **European Skylark**.
Accidental in Greenland.

A. O. U.
NO.GENUS **OTOCORIS**. BONAP.

- 357 (474) **OTOCORIS ALPESTRIS**. (LINN.) **Horned Lark. Shore Lark.**
 "Northeastern North America, Greenland, and northern parts of the old world; in winter, south; in eastern United States to the Carolinas, Illinois, etc." (A. O. U.); breeds north of United States, Labrador, Hudson Bay, etc.
- 358 (474b) *Otocoris alpestris praticola*. HENSH. **Prairie Horned Lark.**
 The Mississippi Valley form of the Horned Lark; breeds as far eastward as Massachusetts and New York; it differs in having the forehead and streak over the eye white instead of yellow; it is also somewhat smaller and paler.

FAMILY CORVIDÆ. Crows, Jays, and Magpies.**Subfamily GARRULINÆ. Magpies and Jays.**GENUS **PICA**. BRISS.

- 359 (475) **PICA PICA HUDSONICA**. (SAB.) **American Magpie.**
 A western species; stragglers have been recorded from Illinois and Montreal, Canada.

GENUS **CYANOCITTA**. STRICK.

- 360 (477) **CYANOCITTA CRISTATA**. (LINN.) **Blue Jay.**
 "Eastern North America to the plains and from the fur countries south to Florida and eastern Texas" (A. O. U.); breeds nearly throughout its range.
- 361 (477a) *Cyanocitta cristata florincola*. COUES. **Florida Blue Jay.**
 Southern race of the Blue Jay, which occurs in Florida and along the Gulf coast; it is smaller and grayer than the northern Blue Jay, but otherwise similar.

GENUS **APHELOCOMA**. CABAN.

- 362 (479) **APHELOCOMA CYANEA**. (VIEILL.) **Florida Jay.**
 Florida.

GENUS **PERISOREUS**. BONAP.

- 363 (484) **PERISOREUS CANADENSIS**. (LINN.) **Canada Jay.**
 "Northern New York, northern New England, and northern Michigan; north to Arctic America." (A. O. U.)
- 364 (484c) *Perisoreus canadensis nigricapillus*. RIDGW. **Labrador Jay.**
 A Labrador race of the Canada Jay; somewhat darker and having the black of the head often extending in front of the eye; the breast is deep slate gray.

Subfamily CORVINÆ. Crows.A. O. U.
NO.**GENUS CORVUS. LINN.**

- 365** (486a) **CORVUS CORAX PRINCIPALIS.** RIDGW. **Northern Raven.**
Northern North America; from Illinois, Michigan, Maine, etc., northward; accidental as far south as North Carolina.
- 366** (488) **CORVUS AMERICANUS.** AUD. **American Crow.**
North America; from Hudson Bay to Gulf of Mexico; breeds nearly throughout its range.
- 367** (488a) *Corvus americanus pascuus.* COUES. **Florida Crow.**
Florida race of the Crow, which differs in having larger bill and feet.
- 368** (490) **CORVUS OSSIFRAGUS.** WILS. **Fish Crow.**
Eastern and southern United States; from Connecticut to Louisiana; accidental in Massachusetts; abundant in Georgia and Florida.

FAMILY STURNIDÆ. Starlings.**GENUS STURNUS. LINN.**

- 369** (493) **STURNUS VULGARIS.** LINN. **Starling.**
An old world species; accidental in Greenland; some years ago it was introduced in New York, and is now not uncommon in Central Park.

FAMILY ICTERIDÆ. Blackbirds, Orioles, etc.**GENUS DOLICHONYX. SWAINS.**

- 370** (494) **DOLICHONYX ORYZIVORUS.** (LINN.) **Bobolink.**
Ranges in eastern North America; from Rocky Mountains to the Atlantic, and from Ontario to Gulf of Mexico; also occurs west of the Rocky Mountains; breeds north of Middle States; in winter West Indies and South America.

GENUS MOLOTHRUS. SWAINS.

- 371** (495) **MOLOTHRUS ATER.** (BODD.) **Cowbird.**
United States in general and part of Canada; south in winter to Mexico; breeds throughout its summer range; the female deposits her egg in other birds' nests.

GENUS XANTHOCEPHALUS. BONAP.

- 372** (497) **XANTHOCEPHALUS XANTHOCEPHALUS.** (BONAP.) **Yellow-headed Blackbird.**
Western North America; from Illinois and Wisconsin to Pacific coast; accidental in eastern United States, New England, Florida, etc.

A. O. U.
NO.GENUS **AGELAIUS**. VIEILL.

- 373** (498) **AGELAIUS PHŒNICEUS**. (LINN.) **Red-winged Blackbird**.
Common throughout North America; from about latitude 52° to the Gulf; replaced in southern Florida and Gulf coast of Louisiana by the following race.
- 374** (498b) *Agelaius phœniceus bryanti*. RIDGW. Bahaman Red-winged Blackbird.
A small race, having a more slender bill, which inhabits the Bahaman Islands, southern Florida, and portions of the Gulf coast to Louisiana; the females are not as heavily streaked on the underparts.

GENUS **STURNELLA**. VIEILL.

- 375** (501) **STURNELLA MAGNA**. (LINN.) **Meadow-lark**.
"Eastern United States and southern Canada to the plains; breeds from the Gulf of Mexico northward." (A. O. U.)
- 376** (501b) *Sturnella magna neglecta*. (AUD.) Western Meadow-lark.
Western race which occurs in Illinois and Wisconsin; it differs in having the yellow of the throat extending upon the cheeks or malar region, also in having the lower under tail coverts white, or nearly white, not buff as in *S. magna*.

GENUS **ICTERUS**. BRISS.

- 377** (502) **ICTERUS ICTERUS**. (LINN.) **Troupial**.
South American species; recorded by Audubon from South Carolina; no subsequent records for eastern North America.

SUBGENUS **PENDULINUS**. VIEILL.

- 378** (506) **ICTERUS SPURIUS**. (LINN.) **Orchard Oriole**.
Eastern United States; from northern New England, Michigan, Illinois, and Dakota, to the Gulf of Mexico; breeds throughout its summer range; winters as far south as northern South America.

SUBGENUS **YPHANTOPUS**. VIEILL.

- 379** (507) **ICTERUS GALBULA**. (LINN.) **Baltimore Oriole**.
Eastern United States; from Rocky Mountains to the Atlantic Ocean, and from Ontario to the Gulf of Mexico; winters south to Mexico and South America.
- 380** (508) **ICTERUS BULLOCKI**. (SWAINS.) **Bullock's Oriole**.
Western species; only once recorded from our Eastern States; Bangor, Me., one record.

GENUS **SCOLECOPHAGUS**. SWAINS.

- 381** (509) **SCOLECOPHAGUS CAROLINUS**. (MÜLL.) **Rusty Blackbird**.
Eastern and northern North America west to the plains; breeds from northern United States north to Labrador; winters from Virginia southward.

A. O. U.
NO.

- 382 (510) **SCOLECOPHAGUS CYANOCEPHALUS.** (WAGL.) **Brewer's Blackbird.**
A western species, which sometimes occurs in Illinois; stragglers have been killed in South Carolina and Louisiana.

GENUS **QUISCALUS.** VIEILL.

- 383 (511) **QUISCALUS QUISCULA.** (LINN.) **Purple Grackle.**
"Northern Alabama, eastern Tennessee, and east of the Alleghanies from Georgia to Massachusetts" (A. O. U.); in winter south to the Gulf.
- 384 (511a) *Quiscalus quiscula aglarus.* (BAIRD.) Florida Grackle.
A smaller southern race; ranging from Virginia along the Atlantic coast and Gulf States to Texas.
- 385 (511b) *Quiscalus quiscula arvens.* (RIDGW.) Bronzed Grackle.
Eastern North America; west of the Alleghanies; New England to Labrador and Hudson Bay; west to Rocky Mountains, and south to the lower Mississippi Valley; this Grackle has the back a uniform bronze or golden-olive, but not the various tints of blue-purple bronze, etc., as in true *quiscula*.
- 386 (513) **QUISCALUS MAJOR.** (VIEILL.) **Boat-tailed Grackle.**
"Coast region of Atlantic and Gulf States; from Virginia to Texas." (A. O. U.)

FAMILY FRINGILLIDÆ. Finches, Sparrows, etc.

GENUS **COCCOTHAUSTES.** BRISS.

- 387 (514) **COCCOTHAUSTES VESPERTINA.** (COOP.) **Evening Grosbeak.**
Western species; casual in eastern United States; Illinois, Michigan, New England, etc.

GENUS **PINICOLA.** VIEILL.

- 388 (515) **PINICOLA ENUCLEATOR.** (LINN.) **Pine Grosbeak.**
Northern North America; breeds from northern New England northward.

GENUS **CARPODACUS.** KAUP.

- 389 (517) **CARPODACUS PURPUREUS.** (GMEL.) **Purple Finch.**
"Eastern North America; from the Atlantic coast to the plains; breeds from the Middle States northward." (A. O. U.)

GENUS **PASSER.** LINN.

- 390 (—) **PASSER DOMESTICUS.** (LINN.) **English Sparrow.**
European species; introduced into United States.
- 391 (—) **PASSER MONTANUS.** **European Tree Sparrow.**
European species; introduced into United States.

A. O. U.
NO.GENUS **LOXIA**. LINN.

- 392 (521) **LOXIA CURVIROSTRA MINOR.** (BREHM.) **American Crossbill.**
Northern North America; mainly north of United States; occurs irregularly in eastern United States, as far south as Maryland; accidental to South Carolina.
- 393 (522) **LOXIA LEUCOPTERA.** GMEL. **White-winged Crossbill.**
"Northern parts of North America; south into the United States in winter; breeds from northern New England northward." (A. O. U.)

GENUS **ACANTHIS**. BECHST.

- 394 (527) **ACANTHIS HORNEMANNII.** (HOLB.) **Greenland Redpoll.**
Northern Greenland; breeding from 69° to 73° north latitude, and eastern Arctic America; south to Labrador in winter." (RIDGW.)
- 395 (527a) *Acanthis hornemannii exilipes.* (COUES.) **Hoary Redpoll.**
A race differing in smaller size; length, less than 5.35; wing, less than 5.30; it inhabits the far north, but occurs in winter in the northern United States; casual in New England and Illinois.
- 396 (528) **ACANTHIS LINARIA.** (LINN.) **Redpoll. Redpoll Linnet.**
Northern species, which occurs in winter as far south as Virginia and Illinois; casual in New England.
- 397 (528a) *Acanthis linaria holboellii.* (BREHM.) **Holboell's Redpoll.**
A somewhat larger bird than *A. linaria*, with somewhat longer bill; wing, less than 3.15; northern portion of both continents; casual in eastern North America; south in winter to New York and Massachusetts.
- 398 (528b) *Acanthis linaria rostrata.* (COUES.) **Greater Redpoll.**
Similar to *linaria*, but slightly larger, and the bill stouter; wing, over 3.15; southern Greenland and Labrador; south to New England and Illinois in winter.
- 399 **CARDUELIS CARDUELIS.** LINN. **European Goldfinch.**
Introduced in Massachusetts and New York.

GENUS **ASTRAGALINUS**. CAB.

- 400 (529) **ASTRAGALINUS TRISTIS.** (LINN.) **American Goldfinch. Yellow Bird.**
North America; south of about latitude 54° to the Gulf States; breeding from about latitude 38° northward.
- 401 (532) **ASTRAGALINUS NOTATUS.** (DUBUS.) **Black-headed Goldfinch.**
Mexican species; recorded by Audubon from Kentucky.
- 402 (533) **ASTRAGALINUS PINUS.** (WILS.) **Pine Siskin. Pine Finch.**
North America; breeds from northern border of United States, northward; winters south to Gulf of Mexico.

A. O. U.
NO.GENUS *PASSERINA*. VIEILL.

- 403 (534) *PASSERINA NIVALIS*. (LINN.) **Snowflake. Snow Bunting.**
Northern North America; breeds in high latitudes; south in winter to New England, Illinois, etc.; accidental as far south as Florida.

GENUS *CALCARIUS*. BECHS.

- 404 (536) *CALCARIUS LAPPONICUS*. (LINN.) **Lapland Longspur.**
Northern North America; breeding in the far north; south in winter to Middle States; common in the interior to Kansas and Colorado.
- 405 (537) *CALCARIUS PICTUS*. (SWAINS.) **Smith's Longspur.**
"Interior of North America; from the Arctic coast to Illinois and Texas; breeding far north." (A. O. U.)
- 406 (538) *CALCARIUS ORNATUS*. (TOWNS.) **Chestnut-collared Longspur.**
Western species; accidental in Massachusetts and New York.

GENUS *RHYNCHOPHANES*. BAIRD.

- 407 (539) *RHYNCHOPHANES MCCOWNII*. (LAWR.) **McCown's Longspur.**
Western species; casual in Illinois.

GENUS *POOCÆTES*. BAIRD.

- 408 (540) *POOCÆTES GRAMINEUS*. (GMEL.) **Vesper Sparrow. Bay-winged Bunting.**
Eastern North America; from the plains to the Atlantic Ocean; breeds from Virginia to Ontario.

GENUS *AMMODRAMUS*. SWAINS.

- 409 (541) *AMMODRAMUS PRINCEPS*. (MAYN.) **Ipswich Sparrow.**
"Atlantic coast from Nova Scotia; south in winter to Georgia; breeds on Sable Island, Nova Scotia." (A. O. U.)
- 410 (542a) *AMMODRAMUS SANDWICHENSIS SAVANNA*. (WILS.) **Savanna Sparrow.**
"Eastern North America; breeding from the northern United States to Labrador and Hudson Bay Territory." (A. O. U.)

SUBGENUS *COTURNICULUS*. BONAP.

- 411 (546) *AMMODRAMUS SAVANNARUM PASSERINUS*. (WILS.) **Grasshopper Sparrow. Yellow-winged Sparrow.**
"Eastern United States and southern Canada; west to the plains; south in winter to Florida, Cuba, Porto Rico, and Central America." (A. O. U.)
- 412 (547) *AMMODRAMUS HENSLOWII*. (AUD.) **Henslow's Sparrow.**
"Eastern United States; west to the plains; north to southern New England and Ontario." (A. O. U.)

A. O. U.
NO.

- 413 (548) **AMMODRAMUS LECONTEI.** (AUD.) **Leconte's Sparrow.**
Great plains and more western prairies; breeding from Dakota, Minnesota, etc., to Manitoba; migrating southward and eastward in winter through Illinois, Iowa, Kansas, etc., to South Carolina and Gulf States to Florida and Texas.
- 414 (549) **AMMODRAMUS CAUDACUTUS.** (GMEI.) **Sharp-tailed Sparrow. Sharp-tailed Finch.**
Breast, pale buff with distinct dark streaks; breeds on salt marshes of the Atlantic coast from New England to Maryland; south in winter to the Gulf States.
- 415 (549a) **AMMODRAMUS NELSONI.** ALLEN. **Nelson's Sparrow.**
"Fresh water marshes of the interior; from northern Illinois, northward to North Dakota and Manitoba; south in winter to Texas; in migrations, visits Atlantic coast (New England and Lower Hudson Valley) to Charleston, S. C." (A. O. U.)
- 416 (549b) *Ammodramus nelsoni subvirgatus.* (DWIGHT.) **Acadian Sharp-tailed Sparrow.**
Breast and sides, pale buff, not tawny or ochraceous buff as in *nelsoni*.
"Coast of southern New Brunswick, Prince Edward Island (and probably Nova Scotia), and southward in migration to South Carolina." (A. O. U.)
- 417 (550) **AMMODRAMUS MARITIMUS.** (WILS.) **Seaside Sparrow. Seaside Finch.**
"Salt marshes of Atlantic coast; from Connecticut southward to Georgia; accidental in Massachusetts." (A. O. U.)
- 418 (550a) *Ammodramus maritimus peninsule.* ALLEN. **Scott's Seaside Sparrow.**
A dark race of *maritimus* which occurs from South Carolina to the northeast and northwest coast of Florida.
- 418a *Ammodramus maritimus fisheri.* CHAPMAN. **Louisiana Seaside Sparrow.**
Coast of Louisiana to Texas.
- 418b *Ammodramus maritimus macgillivrayi.* (AUD.) **Macgillivray's Seaside Sparrow.**
Coast of South Carolina and Georgia.
- 419 (551) **AMMODRAMUS NIGRESCENS.** RIDGW. **Dusky Seaside Sparrow.**
Head of Indian River and Salt Lake; eastern Florida.

GENUS **CHONDESTES.** SWAINS.

- 420 (552) **CHONDESTES GRAMMACUS.** (SAY.) **Lark Sparrow. Lark Finch.**
From Illinois and Michigan westward to the plains; not common on Atlantic coast.

GENUS **ZONOTRICHIA.** SWAINS.

- 421 (553) **ZONOTRICHIA QUERULA.** (NUTT.) **Harris's Sparrow.**
Middle United States; Illinois to Kansas, and casually to Oregon; no New England record.

A. O. U.
NO.

- 422 (554) **ZONOTRICHIA LEUCOPHRYS.** (FORST.) **White-crowned Sparrow.**
"North America at large; breeding chiefly in the Rocky Mountains,
the Sierra Nevada, and northeast to Labrador; south in winter to
the Valley of Mexico." (A. O. U.)
- 423 (558) **ZONOTRICHIA ALBICOLLIS.** (GMEL.) **White-throated Sparrow.**
Eastern North America; from the plains to the Atlantic Ocean; north
to Labrador, and south to the Carolinas, and casually to Florida;
breeds from northern New England and New York northward.

GENUS **SPIZELLA.** BONAP.

- 424 (559) **SPIZELLA MONTICOLA.** (GMEL.) **Tree Sparrow.**
Eastern North America; from Arctic Ocean to the Carolinas; breeds
north of United States.
- 425 (560) **SPIZELLA SOCIALIS.** (WILS.) **Chipping Sparrow.**
Eastern North America; from Rocky Mountains north to fur countries,
and south to the Gulf; breeds nearly throughout its range.
- 426 (561) **SPIZELLA PALLIDA.** (SWAINS.) **Clay-colored Sparrow.**
Middle North America; from Illinois to Rocky Mountains; breeds
from Iowa northward; accidental on Atlantic coast (North
Carolina).
- 427 (562) **SPIZELLA BREWERI.** CASS. **Brewer's Sparrow.**
Western species; once taken in Massachusetts.
- 428 (563) **SPIZELLA PUSILLA.** (WILS.) **Field Sparrow.**
Eastern United States; from the plains to the Atlantic; breeds from
the Carolinas and Illinois north to Canada.
- 429 (563a) *Spizella pusilla arenacea.* CHABE. **Western Field Sparrow.**
This race is of accidental occurrence in southern Louisiana.

GENUS **JUNCO.** WAGL.

- 430 (567) **JUNCO HYEMALIS.** (LINN.) **Slate-colored Junco. Snowbird.**
New England, Florida, and Illinois.
- 431 *Junco hyemalis shufeldti.* COALE. **Shufeldt's Junco.**
Western race; accidental in Massachusetts, Illinois, and Maryland; it
is browner on the back, and the sides are vinaceous brown.
- 432 (567¹) *Junco hyemalis carolinensis.* BREWST. **Carolina Junco.**
Rather larger than *hyemalis*; the back and breast slate color; not tinged
with brown; Alleghany Mountains, from Virginia to the Carolinas.
- 433 (—) **JUNCO MONTANUS.** RIDGW. **Montana Junco.**
Northwestern species; ranging as far east as Illinois, and stragglers
reaching the Atlantic coast.

GENUS **PEUCÆA.** AUD.

- 434 (575) **PEUCÆA ÆSTIVALIS.** (LICHT.) **Pine-woods Sparrow.**
Southern Georgia and Florida.

A. O. U.
NO.

- 435 (575a) *Peucaea aestivalis bachmanii*. (AUD.) Bachman's Sparrow.
Coast States; from the Carolinas to Texas; north to Illinois in summer;
it is a darker bird than *aestivalis*, the back being dark rufous brown,
not light chestnut.

GENUS MELOSPIZA. BAIRD.

- 436 (581) **MELOSPIZA FASCIATA**. (GMEL.) Song Sparrow.
"Eastern United States to the plains; breeding from Virginia and the
southern portion of the Lake States northward to the fur countries."
(A. O. U.)
- 437 (583) **MELOSPIZA LINCOLNI**. (AUD.) Lincoln's Sparrow.
Throughout North America; breeds from northern border of United
States northward; south in winter to Central America.
- 438 (584) **MELOSPIZA GEORGIANA**. (LATH.) Swamp Sparrow.
Whole of eastern North America; from Labrador and Newfoundland to
the Gulf of Mexico; breeds from the northern States northward.

GENUS PASSERELLA. SWAINS.

- 439 (585) **PASSERELLA ILIACA**. (MERR.) Fox Sparrow.
Eastern North America; from the Arctic to the Gulf of Mexico, west
to the plains; breeds north of the United States.

GENUS PIPILO. VIEILL.

- 440 (587) **PIPILO ERYTHROPHthalmus**. (LINN.) Towhee.
Eastern United States; from Canada to Georgia; breeds from Georgia
northward; common in New England.
- 441 (587a) *Pipilo erythrophthalmus alleni*. COES. White-eyed Towhee.
Florida race, which occurs as far north as South Carolina; it differs in
having the iris *white* or yellowish, and only the two outer tail feath-
ers are marked with white.

GENUS CARDINALIS. BONAP.

- 442 (593) **CARDINALIS CARDINALIS**. (LINN.) Cardinal. Cardinal Grosbeak.
Eastern United States; from New England (casual) to the Gulf of
Mexico.
- 442a (593d) *Cardinalis cardinalis floridanus*. RIDGW. Florida Cardinal.
Local race; resident in Florida.

GENUS HABIA. REICH.

- 443 (595) **HABIA LUDOVICIANA**. (LINN.) Rose-breasted Grosbeak.
Eastern United States; from the plains and from Canada to Central
America; breeding from Carolinas northward.
- 444 (596) **HABIA MELANOCEPHALA**. (SWAINS.) Black-headed Grosbeak.
A western species which has been taken in Michigan.

A. O. U.
NO.GENUS **GUIRACA**. SWAINS.

- 445** (597) **GUIRACA CÆRULEA**. (LINN.) **Blue Grosbeak**.
Eastern United States; from Illinois and New England (not common)
to the Gulf and Cuba.

GENUS **CYANOSPIZA**. BAIRD.

- 446** (598) **CYANOSPIZA CYANEA**. (LINN.) **Indigo Bunting**.
Eastern United States; from the Canadian border to the Gulf and
Central America.
- 447** (600) **CYANOSPIZA VERSICOLOR**. (BONAP.) **Varied Bunting**.
Western species, which has been taken in Michigan.
- 448** (601) **CYANOSPIZA CIRIS**. (LINN.) **Painted Bunting**.
Eastern United States; from Illinois and North Carolina south to the
Gulf, and in winter to Central America.

GENUS **EUETHEIA**. REICH.

- 449** (603) **EUETHEIA BICOLOR**. (LINN.) **Grassquit. Black-faced Finch**.
West Indian species; recorded from Florida Keys.
- 450** (603¹) **EUETHEIA CANORA**. (GMEL.) **Melodious Grassquit. Cuban Finch**.
Cuban species; recorded from Florida Keys.

GENUS **SPIZA**. BONAP.

- 451** (604) **SPIZA AMERICANA**. (GMEL.) **Dickcissel. Black-throated Bunting**.
Eastern United States; from Rocky Mountains to the Alleghanies; and
casual, or accidental to New England; breeding from Texas to the
Canadian border; south in winter to Central and South America.

GENUS **CALAMOSPIZA**. BONAP.

- 452** (605) **CALAMOSPIZA MELANOCORYS**. STEIN. **Lark Bunting**.
Western species; recorded from Massachusetts and Long Island.

FAMILY TANAGRIDÆ. Tanagers.GENUS **PIRANGA**. VIEILL.

- 453** (607) **PIRANGA LUDOVICIANA**. (WILS.) **Louisiana Tanager**.
Western species; recorded from Massachusetts and New York.
- 454** (608) **PIRANGA ERYTHROMELAS**. VIEILL. **Scarlet Tanager**.
Eastern United States; from the plains to the Atlantic, and Ontario to
the West Indies, and South America; breeds from Illinois and
Virginia northward.
- 455** (610) **PIRANGA RUBRA**. (LINN.) **Summer Tanager**.
Eastern United States; but more southerly in its range than the Scar-
let Tanager; rarely reaching southern New England, although
stragglers occur as far north as New Brunswick; breeds in Virginia
(and occasionally still further north) to Florida.

FAMILY HIRUNDINIDÆ. Swallows.A. O. U.
NO.**GENUS PROGNE. BOIE.**

- 456 (611) **PROGNE SUBIS.** (LINN.) **Purple Martin.**
Eastern North America; from Ontario to the Gulf of Mexico; south in winter to South America.
- 457 (611¹) **PROGNE CRYPTOLEUCA.** BAIRD. **Cuban Martin.**
Cuban species; casual in southern Florida.

GENUS PETROCHELIDON. CABAN.

- 458 (612) **PETROCHELIDON LUNIFRONS.** (SAY.) **Cliff Swallow.**
North America; from the Arctic Ocean to the Gulf of Mexico, and in winter to South America.
- 459 (—) **PETROCHELIDON FULVA.** (VIEILL.) **Cuban Cliff Swallow.**
West Indian species; accidental at Dry Tortugas, Fla.

GENUS CALLICHELIDON. BAIRD.

- 460 (—) **CALLICHELIDON CYANEOVIRIDIS.** (BRYANT.) **Bahaman Swallow.**
Bahaman species; accidental at Dry Tortugas, Fla.

GENUS HIRUNDO. (LINN.)

- 461 (613) **HIRUNDO ERYTHROGASTER.** BODD. **Barn Swallow.**
North America; breeding from the fur countries to the Gulf of Mexico; south in winter in the West Indies and South America.

GENUS TACHYCINETA. CABAN.

- 462 (614) **TACHYCINETA BICOLOR.** (VIEILL.) **Tree Swallow. White-bellied Swallow.**
Throughout North America; from Labrador to the Gulf; breeds nearly throughout its range; winters from Middle States to West Indies and Central America.

GENUS CLIVICOLA. FORSTER.

- 463 (616) **CLIVICOLA RIPARIA.** (LINN.) **Bank Swallow.**
North America in general; ranges in the eastern portion, from Labrador to the Gulf, and northern South America; breeds from Middle States northward.

GENUS STELGIDOPTERYX. BAIRD.

- 464 (617) **STELGIDOPTERYX SERRIPENNIS.** (AUD.) **Rough-winged Swallow.**
United States; from British Columbia to Mexico; breeds in United States throughout its range.

FAMILY AMPELIDÆ. Waxwings.A. O. U.
NO.GENUS **AMPELIS.** LINN.

- 465 (618) AMPELIS GARRULUS.** LINN. **Bohemian Waxwing.**
Northern North America; breeding north of United States; casual in winter as far south as Illinois; recorded from Pennsylvania.
- 466 (619) AMPELIS CEDRORUM.** (VIEILL.) **Cedar Waxwing. Cedar Bird. Cherry Bird.**
Throughout North America; from Hudson Bay to the Gulf and West Indies in winter; breeds from about latitude of Alleghanies northward; a familiar New England bird, usually seen in flocks.

FAMILY LANDIÆ. Shrikes.GENUS **LANIUS.** LINN.

- 467 (621) LANIUS BOREALIS.** VIEILL. **Northern Shrike. Butcher Bird.**
Northern North America; ranging in winter south to Virginia, Illinois, Kansas, etc.; not uncommon in New England; breeds north of United States; known as Butcher Bird on account of habit of impaling small birds on thorns.
- 468 (622) LANIUS LUDOVICIANUS.** LINN. **Loggerhead Shrike.**
Eastern United States; from the plains to the Atlantic, and from Canada through the interior, including western New England, to the Gulf of Mexico; rare or casual north of Virginia on the coast.

FAMILY VIREONIDÆ. Vireos.GENUS **VIREO.** VIEILL.SUBGENUS **VIREOSYLVA.** BONAP.

- 469 (623) VIREO CALIDRIS BARBATULUS.** (CAB.) **Black-whiskered Vireo.**
West Indian species; accidental in southern Florida.
- 470 (624) VIREO OLIVACEUS.** (LINN.) **Red-eyed Vireo.**
Eastern North America; from the Rocky Mountains to the Atlantic; north to the Arctic regions, and south to northern South America; breeds nearly throughout its North American range; common in New England.

SUBGENUS **LANIVIREO.** BAIRD.

- 471 (625) VIREO FLAVOVIRIDIS.** (CASS.) **Yellow-green Vireo.**
Mexican species; once recorded from Province of Quebec.
- 472 (626) VIREO PHILADELPHICUS.** (CASS.) **Philadelphia Vireo.**
Eastern North America; from Hudson Bay to the Gulf; breeds from northern New England northward.

A. O. U.

NO.

- 473 (627) **VIREO GILVUS.** (VIEILL.) **Warbling Vireo.**
Throughout North America; breeding nearly throughout its range.
- 474 (628) **VIREO FLAVIFRONS.** VIEILL. **Yellow-throated Vireo.**
Eastern United States; from the British Provinces to Florida; breeds throughout its range.
- 475 (629) **VIREO SOLITARIUS.** (WILS.) **Blue-headed Vireo.**
Eastern United States; from Hudson Bay to the Gulf and Central America in winter; breeds from southern New England and Illinois northward.
- 476 (629b) *Vireo solitarius plumbeus.* (COUES.) **Plumbeous Vireo.**
Western species; one record in New York State; its occurrence is purely accidental east of the Mississippi.
- 477 (629c) *Vireo solitarius alticola.* BREWST. **Mountain Solitary Vireo.**
Differs mainly in having a larger bill and slate-blue back; ranges from the Alleghanies in the Carolinas; south in winter to Florida.
- SUBGENUS **VIREO.** VIEILL.
- 478 (C31) **VIREO NOVEBORACENSIS.** (GMEL.) **White-eyed Vireo.**
Eastern United States; from Rocky Mountains to the coast, and from southern New England and Michigan to the Gulf of Mexico; breeds throughout its United States range.
- 479 (631a) **VIREO NOVEBORACENSIS MAYNARDI.** BREWST. **Key West Vireo.**
A rather small, pale race, which is resident in southern Florida.
- 480 (633) **VIREO BELLII.** (AUD.) **Bell's Vireo.**
Western species which occurs in the northern Mississippi Valley, Illinois, and Indiana, southwest to Mexico.

FAMILY CÆREBIDÆ. Honey Creepers.

GENUS **CÆREBA.** VIEILL.

- 481 (635) **CÆREBA BAHAMENSIS.** (REICH.) **Bahama Honey Creeper.**
Bahaman species; stragglers have been taken on the Florida Keys.

FAMILY MNIOTILTIDÆ. Wood Warblers.

GENUS **MNIOTILTA.** VIEILL.

- 482 (636) **MNIOTILTA VARIA.** (LINN.) **Black and White Warbler.**
Eastern United States; south to West Indies and northern South America; breeds north of Virginia.

GENUS **PROTONOTARIA.** BAIRD.

- 483 (637) **PROTONOTARIA CITREA.** (BODD.) **Prothonotary Warbler.**
Eastern United States; from Illinois, Michigan, and New England to the Gulf, and in winter to South America; breeds throughout its range.

A. O. U.
NO.GENUS **HELINAIA**. AUDUBON.

- 484 (638) **HELINAIA SWAINSONII**. AUD. **Swainson's Warbler**.
Southeastern United States; from Virginia to Texas; accidental in Illinois.

GENUS **HELMITHERUS**. RAFINESQUE.

- 485 (639) **HELMITHERUS VERMIVORUS**. (GMEL.) **Worm-eating Warbler**.
Eastern United States; from southern New England to the Gulf; south in winter to South America.

GENUS **HELMINTHOPHILA**. RIDGW.

- 486 (640) **HELMINTHOPHILA BACHMANI**. (AUD.) **Bachman's Warbler**.
Cuba and Florida, north; casually as far as Virginia, and west to Louisiana.
- 487 (641) **HELMINTHOPHILA PINUS**. (LINN.) **Blue-winged Warbler**.
Eastern United States; from southern New England to the Gulf; south in winter to Mexico.
- 488 (642) **HELMINTHOPHILA CHRYSOPTERA**. (LINN.) **Golden-winged Warbler**.
Eastern United States; Minnesota and southwestern Ontario to South America; breeds from New Jersey and Indiana, northward, and in the Alleghanies to South Carolina.
- 489 **HELMINTHOPHILA LAWRENCEI**. (HERRICK.) **Lawrence's Warbler**.
New Jersey, Connecticut, etc.; probably a hybrid between *H. pinus* and *H. chrysoptera*.
- 490 **HELMINTHOPHILA LEUCOBRONCHIALIS**. (BREWST.) **Brewster's Warbler**.
Southern New England, Michigan, etc.; probably a hybrid between *H. pinus* and *H. chrysoptera*.
- 491 (645) **HELMINTHOPHILA RUFICAPILLA**. (WILS.) **Nashville Warbler**.
Eastern United States; from the plains to the Atlantic Ocean, and from British North America to Mexico; breeds from northern United States, northward.
- 492 (646) **HELMINTHOPHILA CELATA**. (SAY.) **Orange-crowned Warbler**.
Eastern North America; from the sub-arctic regions to the Gulf of Mexico; rare east of the Alleghany Mountains north of Virginia; breeds north of the United States, except in the Rocky Mountains.
- 493 (647) **HELMINTHOPHILA PEREGRINA**. (WILS.) **Tennessee Warbler**.
Eastern North America; from Hudson Bay to Central America; breeds from northern New England northward.
- 494 (648) **COMPSOTHLYPIS AMERICANA**. (LINN.) **Parula Warbler**.
"South Atlantic and Gulf States, east of Texas; northward, near the Atlantic coast to the District of Columbia, and in the interior to Mt. Carmel, Ill." (BREWSTER.)

A. O. U.
NO.

- 494a (648a) *Compsothlypis americana usneæ*. BREWST. Northern Parula Warbler.
 "Averaging slightly larger, but with a shorter bill; adult male, with less yellow on the underparts and more black or blackish on the lores and malar region; the dark collar across the jugulum, black or blackish, broad and conspicuous; the chest mottled or spotted with rich brownish chestnut; breeding range, New England, New York, and westward, along the northern tier of States, northward, into the Maritime Provinces and Canada." (BREWSTER.)
- 495 (650) **DENDROICA TIGRINA.** (GMEL.) **Cape May Warbler.**
 Eastern North America; from Hudson Bay to the Gulf States and the West Indies; breeds from northern New England northward.
- 496 (652) **DENDROICA ÆSTIVA.** (GMEL.) **Yellow Warbler.**
 Throughout North America, except southwestern portion, where it is replaced by an allied form; south in winter to northern South America.
- 497 (654) **DENDROICA CÆRULESCENS.** (GMEL.) **Black-throated Blue Warbler.**
 Eastern North America; from Labrador to the West Indies and Central America; breeds from northern New England northward.
- 497a (—) *Dendroica cerulescens cairnsi*. COUES. Cairn's Warbler.
 A local race, resident in the Alleghany Mountains, but occurring in southeastern Atlantic States; differs in having the back darker, sometimes almost wholly black, and more white on the outer tail feathers.
- 498 (655) **DENDROICA CORONATA.** (LINN.) **Yellow-rumped Warbler. Myrtle Warbler.**
 Eastern North America, and casual to the Pacific; winters from southern New England to Central America; breeds from northern United States northward.
- 499 (656) **DENDROICA AUDUBONI.** (TOWNS.) **Audubon's Warbler.**
 A western species; stragglers have been taken in Massachusetts and Pennsylvania.
- 500 (657) **DENDROICA MACULOSA.** (GMEL.) **Magnolia Warbler. Black and Yellow Warbler.**
 Eastern North America; from British Columbia to the West Indies; breeds from northern New England northward.
- 501 (658) **DENDROICA RARA.** (WILS.) **Cerulean Warbler.**
 Eastern United States; from Ontario to the Gulf; rare east of the Alleghanies; breeds from Virginia and Tennessee to Minnesota.
- 502 (659) **DENDROICA PENNSYLVANICA.** (LINN.) **Chestnut-sided Warbler.**
 Eastern North America; from southern Ontario to Central America and Bahamas; breeds from Illinois and New York northward.
- 503 (660) **DENDROICA CASTANEA.** (WILS.) **Bay-breasted Warbler.**
 Eastern North America; breeding from Hudson Bay to New England; south in winter to Central America.

- A. O. U.
NO.
- 504 (661) **DENDROICA STRIATA.** (FORST.) **Black-poll Warbler.**
Eastern North America; breeding from Labrador and Greenland to northern New England; south in winter to northern South America.
- 505 (662) **DENDROICA BLACKBURN Æ.** (GMEL.) **Blackburnian Warbler.**
Eastern North America; breeding from Massachusetts to Labrador; south in winter to South America.
- 506 (663) **DENDROICA DOMINICA.** (LINN.) **Yellow-throated Warbler.**
Southeastern United States; from Virginia to West Indies.
- 507 (663a) *Dendroica dominica albilora.* BAIRD. **Sycamore Warbler.**
A western form which occurs in Mississippi Valley westward; accidental or casual to North Carolina; differs in having the stripe in front of the eye white instead of yellow.
- 508 (667) **DENDROICA VIRENS.** (GMEL.) **Black-throated Green Warbler.**
Eastern North America; from Hudson Bay to the West Indies; breeds southern New England and Illinois northward.
- 509 (668) **DENDROICA TOWNSENDI.** (NUTT.) **Townsend's Warbler.**
A western species; one record from Pennsylvania.
- 510 (670) **DENDROICA KIRTLANDI.** BAIRD. **Kirtland's Warbler.**
Eastern United States and Bahamas; little known as to its range; specimens have been taken in Florida, South Carolina, Virginia, Illinois, Minnesota, etc.; not uncommon in the Bahama Islands in winter.
- 511 (671) **DENDROICA VIGORSII.** (AUD.) **Pine Warbler.**
Eastern United States; from Manitoba and Ontario to the Gulf and West Indies; breeds locally throughout its range.
- 512 (672) **DENDROICA PALMARUM.** (GMEL.) **Palm Warbler. Redpoll Warbler.**
British America to the Gulf States and West Indies; mostly in the interior, but casual in New England and Atlantic coast States.
- 513 (672a) *Dendroica palmarum hypochrysea.* RIDGW. **Yellow Palm Warbler.**
Atlantic States; from Hudson Bay to Gulf; common in Florida; in winter differs from *palmarum*, in having the underparts **yellow**, not white, or yellowish white.
- 514 (673) **DENDROICA DISCOLOR.** (VIEILL.) **Prairie Warbler.**
Eastern United States; from Michigan and New England to Florida and West Indies; breeds throughout its eastern United States range.

GENUS **SEIURUS.** SWAINS.

- 515 (674) **SEIURUS AUROCAPILLUS.** (LINN.) **Oven-bird.**
Eastern North America; breeding from Virginia to Labrador; winters in Florida, West Indies, and Central America.
- 516 (675) **SEIURUS NOVEBORACENSIS.** (GMEL.) **Water-thrush.**
Great part of eastern North America; breeds from northern New England northward; winters south to South America.

A. O. U.
NO.

- 517 (675a) *Seiurus noreboracensis notabilis*. (GRINN.) Grinnell's Water-thrush.
Illinois, westward; occasionally east to Virginia and New Jersey;
differs in being larger and the superciliary stripe whiter.
- 518 (676) **SEIURUS MOTACILLA**. (VIEILL.) **Louisiana Water-thrush**.
Eastern United States; from southern New England to West Indies
and Central America.

GENUS **GEOTHYLPIS**. CABAN.

- 519 (677) **GEOTHYLPIS FORMOSA**. (WILS.) **Kentucky Warbler**.
Eastern United States; from southern New England to the Gulf States
and West Indies, and Central America in winter; breeds nearly
throughout its United States range.
- 520 (678) **GEOTHYLPIS AGILIS**. (WILS.) **Connecticut Warbler**.
Eastern North America; south in winter to South America; breeds
north of United States.
- 521 (679) **GEOTHYLPIS PHILADELPHIA**. (WILS.) **Mourning Warbler**.
Eastern North America; breeding from New England and Michigan,
northward; South and Central America in winter.
- 522 (681) **GEOTHYLPIS TRICHAS**. (LINN.) **Maryland Yellow-throat**.
Eastern United States; from Labrador to the Gulf States, West Indies,
and Central America in winter; breeds from Georgia to Massa-
chusetts.
- 523 (—) *Geothlypis trichas ignota*. CHAPMAN. Florida Yellow-throat.
Southern race, which is resident in southern Georgia and Florida; it
differs in being deeper yellow below, the black mask of the male
wider, and the upper parts browner.

GENUS **ICTERIA**. VIEILL.

- 524 (683) **ICTERIA VIRENS**. (LINN.) **Yellow-breasted Chat**.
Eastern United States; from Ontario to the Gulf of Mexico, in winter;
breeds from southern New England northward.

GENUS **WILSONIA**. BONAP.

- 525 (684) **SYLVANIA MITRATA**. (GMEL.) **Hooded Warbler**.
Eastern United States; from southern Ontario to the Gulf States, and
west to plains; breeds nearly throughout its range; West Indies
and Central America in winter.
- 526 (685) **WILSONIA PUSILLA**. (WILS.) **Wilson's Warbler**.
Eastern North America; from Rocky Mountains to Atlantic Ocean and
Labrador, and Hudson Bay to Mexico; breeds from border of
United States northward.

A. O. U.
NO.

- 527 (686) **WILSONIA CANADENSIS.** (LINN.) **Canadian Warbler.**
Eastern North America; from the great plains to the Atlantic Ocean,
and Labrador to Central America; breeds from the mountains of
southern New England and the Alleghanies northward.

GENUS **SETOPHAGA.** SWAINS.

- 528 (687) **SETOPHAGA RUTICILLA.** (LINN.) **American Redstart.**
North America; breeds from about latitude of North Carolina north-
ward; south in winter to southern South America.

FAMILY MOTACILLIDÆ. Wagtails.GENUS **MOTACILLA.** LINN.

- 529 (694) **MOTACILLA ALBA.** (LINN.) **White Wagtail.**
Old world species; accidental in Greenland.

GENUS **ANTHUS.** BECHS.

- 530 (697) **ANTHUS PENNSYLVANICUS.** (LATH.) **Titlark. American Pipit.**
Whole of North America; breeds from Labrador northward; south in
winter to Gulf States and Central America.
531 (698) **ANTHUS PRATENSIS.** (LINN.) **Meadow Pipit.**
European species; accidental in Greenland.
532 (700) **ANTHUS SPRAGUEII.** (AUD.) **Sprague's Pipit.**
Western species; Charleston, S. C., one record.

FAMILY TROGLODYTIDÆ. Wrens, Thrashers, etc.Subfamily **MIMINÆ. Thrashers**GENUS **MIMUS.** BOIE.

- 533 (703) **MIMUS POLYGLOTTOS.** (LINN.) **Mockingbird.**
"United States; south into Mexico; rare and of irregular distribution;
from Maryland northward to Massachusetts." (A. O. U.)

GENUS **GALEOSCOPTES.** CABAN.

- 534 (704) **GALEOSCOPTES CAROLINENSIS.** (LINN.) **Catbird.**
Eastern United States and British Provinces; breeds nearly throughout
its North American range; winters in the Gulf States, Cuba, and
Central America.

GENUS **HARPORHYNCHUS.** CABAN.

- 535 (705) **HARPORHYNCHUS RUFUS.** (LINN.) **Brown Thrasher. Brown Thrush.**
Eastern United States and Ontario to the Gulf States; breeds nearly
throughout its range

Subfamily TROGLODYTINÆ. Wrens.A. O. U.
NO.**GENUS THRYOTHORUS. VIEILL.**

- 536** (718) **THRYOTHORUS LUDOVICIANUS.** (LATH.) **Carolina Wren.**
Eastern United States; from Illinois and Connecticut to the Gulf of Mexico; breeds nearly throughout its range.
- 537** (718a) *Thryothorus ludovicianus miamensis.* (RIDGW.) **Florida Wren.**
A Florida race, differing in being larger and darker.

GENUS THRYOMANES. SCLATER.

- 538** (719) **THRYOMANES BEWICKII.** (AUD.) **Bewick's Wren.**
"Eastern United States; rare and local east of the Alleghanies, and north of 40°; west to the edge of great plains; winters in more southern districts." (RIDGWAY.)

GENUS TROGLODYTES. VIEILL.

- 539** (721) **TROGLODYTES AËDON.** VIEILL. **House Wren.**
"Eastern United States and southern Ontario, west to Indiana and Louisiana; resident from middle districts, southward." (A. O. U.)
- 540** (721b) *Troglodytes aëdon aztecus.* (BAIRD.) **Western House Wren.**
Western race, which occurs as far east as Illinois and Minnesota; it is higher colored and the back shows more or less bars.

GENUS ANORTHURA. RENNIE.

- 541** (722) **ANORTHURA HIEMALIS.** VIEILL. **Winter Wren.**
Eastern North America; breeding in the Alleghany Mountains and from the northern border of the United States, northward; south in winter to Florida and the Gulf States.

GENUS CISTOTHORUS. CABAN.

- 542** (724) **CISTOTHORUS STELLARIS.** (LICHT.) **Short-billed Marsh Wren.**
Eastern North America; from Ontario to the Gulf States.
- 543** (725) **CISTOTHORUS PALUSTRIS.** (WILS.) **Long-billed Marsh Wren.**
Eastern North America; south from Ontario and Massachusetts to the Gulf; breeds throughout its range.
- 544** (725b) *Cistothorus palustris griseus.* BREWST. **Worthington's Marsh Wren.**
Local race which occurs on coast of South Carolina and Georgia; it differs in having the sides grayish, not a decided brown, and the black of the upper parts duller.
- 545** (7251) *Cistothorus palustris marianæ.* (SCOTT.) **Marian's Marsh Wren.**
Gulf coast of Florida; decidedly darker and having the under tail coverts spotted or barred.

FAMILY CERTHIIDÆ. Creepers.

A. O. U.
NO.GENUS *CERTHIA*. LINN.

- 546 (726) *CERTHIA FAMILIARIS AMERICANA*. (BONAP.) **Brown Creeper**.
Whole of North America to the limit of large timber; breeds from
northern border of United States, northward.

FAMILY PARIDÆ. Nuthatches and Tits.

Subfamily SITTINÆ. Nuthatches.

GENUS *SITTA*. LINN.

- 547 (727) *SITTA CAROLINENSIS*. LATH. **White-breasted Nuthatch**.
Eastern United States; from Georgia north to the southern British
Provinces, and west to the Rocky Mountains.
- 548 (727a) *Sitta carolinensis atkinsi*. (SCOTT.) **Florida White-breasted Nuthatch**.
South Carolina to Florida; differs in being somewhat smaller; the wing
coverts usually not tipped with white.
- 549 (728) *SITTA CANADENSIS*. LINN. **Red-breasted Nuthatch**.
"Whole of North America; breeding chiefly north of the United States,
except in western mountainous districts; eastern United States
chiefly in winter." RIDGWAY.
- 550 (729) *SITTA PUSILLA*. LATH. **Brown-headed Nuthatch**.
"South Atlantic and Gulf States; north to southern Maryland and
(casually) Ohio, Missouri, etc." (A. O. U.)

Subfamily PARINÆ. Titmice.

GENUS *PARUS*. LINN.SUBGENUS *LOPHOPHANES*. KAUP.

- 551 (731) *PASUS BICOLOR*. (LINN.) **Tufted Titmouse**.
Eastern United States; from New Jersey and southern New England to
the Gulf.

SUBGENUS *PARUS*. LINN.

- 552 (735) *PARUS ATRICAPILLUS*. (LINN.) **Chickadee**.
"Eastern North America, north of the Potomac and Ohio Valley."
(A. O. U.)
- 553 (736) *PARUS CAROLINENSIS*. ORD. **Carolina Chickadee**.
"Southeastern States; north to New Jersey and Illinois, west to
Missouri." (A. O. U.)
- 554 (740) *PARUS HUDSONICUS*. FORST. **Hudsonian Chickadee**.
Northern North America; from Northern New England and Michigan,
northward.

FAMILY SYLVIIDÆ. Warblers, Kinglets, Gnatcatchers.**Subfamily REGULINÆ. Kinglets.**A. O. U.
NO.**GENUS REGULUS. CUVIER.**

- 555 (748) REGULUS SATRAPA. LICHT. Golden-crowned Kinglet.**
Eastern North America; breeding from higher northern boundary of the United States northward; winters as far south as Guatemala.
- 556 (749) REGULUS CALENDULA. (LINN.) Ruby-crowned Kinglet.**
North America; from the fur countries to Central America; breeds north of the United States, except on high mountain ranges.

Subfamily POLIOPTILINÆ. Gnatcatchers.**GENUS POLIOPTILA. SCLATER.**

- 557 (751) POLIOPTILA CÆRULEA. (LINN.) Blue-gray Gnatcatcher.**
Southern portion of the United States; casual as far north as Massachusetts; winters in the Gulf States, Cuba, and Central America.

FAMILY TURDIDÆ. Thrushes, Solitaires, Stonechats, Bluebirds, etc.**Subfamily MYADESTINÆ. Solitaires.****GENUS MYADESTES. SWAINS.**

- 558 (754) MYADESTES TOWNSENDII. (AUD.) Townsend's Solitaire.**
Western species; accidental in Illinois; one record.

Subfamily TURDINÆ. Thrushes.**GENUS TURDUS. LINN.****SUBGENUS HYLOCICHLA. BAIRD.**

- 559 (755) TURDUS MUSTELINUS. GMEL. Wood Thrush.**
Eastern United States; from Massachusetts south to the Gulf States and Central America; breeds from Virginia northward.
- 560 (756) TURDUS FUSCESCENS. STEPH. Wilson's Thrush.**
Eastern North America; from Anticosti to the Gulf of Mexico; the greater portion winters south of the United States.
- 561 (756a) Turdus fuscescens salicicola. (RIDGW.) Willow Thrush.**
Western race, which occurs as far east as Illinois; it differs but little from *fuscescens*, the breast spots are slightly wider and the back somewhat darker.
- 562 (757) TURDUS ALICIÆ. BAIRD. Gray-cheeked Thrush.**
North America; from Labrador and Alaska to the Gulf of Mexico and Central America; breeds from Labrador and Hudson Bay northward.

A. O. U.
NO

- 563 (757a) *Turdus aliciae bicknelli*. (RIDGW.) **Bicknell's Thrush.**
"Mountainous part of the northeastern States (Catskills, White Mountains, etc.) and Nova Scotia; migrating south in winter." (A. O. U.)
- 564 (758a) **TURDUS USTULATUS SWAINSONII.** (CAB.) **Olive-backed Thrush.**
Eastern North America; from Rocky Mountains to the Atlantic; winters in Central and South America and the West Indies, breeds in the Alleghanies and mountains of southern New England, and farther north in western United States.
- 565 (759b) **TURDUS AONALASCHKÆ PALLASII.** (CAB.) **Hermit Thrush.**
Eastern North America; breeds from Massachusetts northward; winters from Illinois and southern New York to the Gulf.

SUBGENUS **TURDUS.** LINN.

- 566 (760) **TURDUS ILIACUS.** LINN. **Red-winged Thrush.**
European species; accidental in Greenland.

GENUS **MERULA.** LEACH.

- 567 (761) **MERULA MIGRATORIA.** (LINN.) **American Robin.**
"Eastern North America to the Rocky Mountains, including eastern Mexico and Alaska; breeds from Virginia and Kansas northward to the Arctic coast; winters from southern Canada and northern United States southward" (A. O. U.); occurs in great flocks at times in southern States during migrations.

GENUS **HESPEROCICHLA.** BAIRD.

- 568 (763) **HESPEROCICHLA NÆVIA.** (GMEL.) **Varied Thrush.**
Pacific coast species; stragglers have been taken in Massachusetts, Long Island, and New Jersey.

GENUS **SAXICOLA.** BECHS.

- 569 (765) **SAXICOLA TENANTHE.** (LINN.) **Wheat-ear.**
Old-world species, which occurs in Greenland and Labrador; stragglers have been taken in Nova Scotia, Maine, and Long Island.

GENUS **SIALIA.** SWAINSON.

- 570 (766) **SIALIA SIALIS.** (LINN.) **Bluebird**
Eastern United States; from the Rocky Mountains to the Atlantic, north to the British Provinces, and south to Gulf of Mexico and Cuba; breeds from the Gulf States, northward; winters from southern Illinois and New Jersey, southward.